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A MANAGEMENT PLAN
for the
OREGON/MORMON PIONEER
NATIONAL HISTORIC TRAILS

WYOMING
August 1985

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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United States Department of the Interior

Bureau of Land Management
Wyoming State Office
P.O. Box 1828
Cheyenne, Wyoming 82003

Dear Reviewer:

This management plan for the Oregon and Mormon Pioneer National Historic Trails is being sent to you because of your interest or involvement in the management of these trails.

We are fortunate to have such an outstanding historical and recreational resource here in Wyoming. In order that we may properly manage these trails in a multiple-use setting, we have prepared this enclosed management plan. We have provided for protection, interpretation, and recreational use of the trails and at the same time provided guidance to other resource programs with potential to impact the trails such as oil and gas, coal, and utility rights-of-way.

We ask that you review this plan and provide any comments you may have to the State Director (931), Bureau of Land Management, P.O. Box 1828, Cheyenne, Wyoming 82003, by September 30, 1985. Thank you very much for your interest.

Sincerely yours,

L. Christian Vosler
Deputy State Director, Lands
and Renewable Resources

Enclosure

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I. INTRODUCTION

A. Location and Setting

This management plan covers the Oregon and Mormon Pioneer National Historic Trails on the public lands managed by the Bureau of Land Management in the State of Wyoming. The trails are located in the Platte River Resource Area of the Casper District, the Lander Resource Area of the Rawlins District, and the Pinedale, Big Sandy, and Kemmerer Resource Areas of the Rock Springs District.

The trail routes across the State of Wyoming are shown on Map 1. The trail route follows the North Platte River through most of the Casper District. It follows the Sweetwater River nearly to South Pass in the Rawlins District. In the Rock Springs District, the corridor divides with individual routes and cutoffs leading west, northwest, and southwest through Sublette and Sweetwater counties.

The land ownership pattern along the trail is diverse. In the eastern part of the state, little of the trails are on public lands. In the western part of the state long stretches of the primary trail routes and major trail alternatives are on public lands.

B. Background Information

1. National Historic Trail Designation

In November 1978, with the passage of an amendment (Public Law 95-625) to the National Trail System Act (Public Law 90-543), the Oregon and Mormon Pioneer Trails were designated as National Historic Trails by Congress. The National Historic Trails System Act, as amended, places responsibility for administering the trails with the Secretary of the Interior.

The purpose of National Historic Trail designation is to identify and protect the Oregon and Mormon Pioneer Trails, along with their historic remnants and artifacts, for public use and enjoyment. The National Trail System Act also directs the Secretary of the Interior to prepare comprehensive management plans and to adopt uniform markers for both trails.

2. National Park Service Responsibilities

The National Park Service was delegated the responsibility by the Secretary of the Interior to complete comprehensive management plans for both of the trails. The plans for both trails were completed in 1981. Both are so-called "umbrella" plans which provide general management direction for the entire length of the trails.

The National Park Service has the overall responsibility to administer the trails and to play a continuing oversight and assistance role for the various

interests involved with trail management. Those interests include private landowners, state governments, the U.S. Forest Service, the Bureau of Land Management (BLM), and the U.S. Fish and Wildlife Service.

Specific National Park Service responsibilities related to BLM management of the trails are as follows:

- a) Encouraging and assisting in the implementation of the recommendations for the trails as identified in the comprehensive plans;
- b) Encouraging and assisting the BLM to enter into cooperative agreements with state or local agencies, private landowners, and private organizations or individuals for the protection and interpretation of portions of the two National Historic Trails, either within or outside federally administered areas;
- c) Reviewing all detailed management and use plans prepared by the BLM for sites and segments of the trails. Those plans will be reviewed to assure that they conform generally with the intent of legislation and with the concepts and guidelines in the National Park Service Comprehensive Plans;
- d) Regularly monitoring the status of all sites and segments identified in the comprehensive plan in order to ascertain changes in ownership or impending developments;
- e) Promulgating and issuing regulations which have general application along the Oregon and Mormon Pioneer National Historic Trails;
- f) Encouraging, performing, or arranging for historical and archaeological research; and
- g) Arranging for the availability of maps, reports, books, brochures, and other interpretive publications for distribution at interpretive centers and other visitation points.

3. Bureau of Land Management Responsibilities

Bureau of Land Management responsibilities are to take the initiative in carrying out the recommendations included in the comprehensive plans on the public lands under its jurisdiction. However, if some of those recommendations cannot be implemented, the reasons for not doing so will be made clear to the public.

The BLM is responsible for protecting and interpreting the trail resources under its jurisdiction. This management plan is being written to describe how the BLM proposes to carry out that responsibility on sites and segments of the National Historic Trails on the public lands. Specific BLM management responsibilities include the following:

- a) Arranging to have inventories and studies performed; seeking public access; defining boundaries; erecting and maintaining trail markers; providing and maintaining local facilities; issuing and enforcing regulations; working

closely with the National Park Service, the states through which the trail passes, or other public or private interest groups; and nominating qualified sites to the National Register of Historic Places;

b) Because of the Trails' status as congressionally designated components of the National Trails System, management decisions have been made that significant segments of the Oregon and Mormon Pioneer Trails are to be protected. It is incumbent on BLM managers to maintain the scenic/historic integrity of historic sites and cross country segments on the public lands, to avoid destruction of trail resources, to mitigate unavoidable impacts, to accord the trails a priority status in the land use planning process, and generally extend to the trails the type of protection afforded to other nationally significant historic sites;

Previous BLM planning efforts have dealt with Oregon and Mormon Pioneer Trail issues. Protective measures have been prescribed within the individual districts for sites and segments on public lands. This planning effort will refine the previously established protective measures and provide uniform state-wide management guidelines.

C. Trail Description

There are over 315 miles of Oregon, Mormon Pioneer and California Emigrant, and Pony Express Trail on public lands in the State of Wyoming. With the exception of a short segment of the Pony Express route, all 315 miles are referred to as the Oregon or Mormon Trails.

The Oregon and Mormon Pioneer Trails entered the state of Wyoming along the North Platte River near Torrington. The trails followed the North Platte to the present city of Casper. From near Casper, the trails left the North Platte and head west, then southwest, ascending high hills, toward the Sweetwater River and Independence Rock.

The trails then followed the Sweetwater for ninety miles crossing it numerous times. At Burnt Ranch the trail crossed the river for the final time and the primary route headed southwest through Farson to Fort Bridger. From Fort Bridger the Oregon Trail headed north and northwest, leaving the state near Cokeville, while the Mormon Trail continued west and southwest and left Wyoming just south of the town of Evanston.

The general trail routes were originally found and used by prehistoric Native American groups. These nomadic groups utilized the natural routes along the rivers and mountain passes, mostly in search of seasonally available resources. In early historic times, Euro-American fur traders took advantage of these same routes to travel throughout the Rocky Mountain region and beyond in the pursuit of fur resources. This original fur trade route, the Platte River road, developed over the years into perhaps the most important transportation route ever used during the settlement and early development of the west. Use of the transportation route facilitated settlement of the west. The large increases in settlements in the Pacific Northwest were the single most important factor that solidified the U.S. claim to the Oregon Territory.

Over the years, alternatives or cutoffs from the primary route were pioneered. These provided better roads, shorter routes, and better access to water and feed for livestock.

Near Torrington, the primary route of the Oregon Trail was south of the North Platte River while the Mormon Trail followed the old fur trappers trace on the north side of the river near Guernsey. In addition to the primary route for the Oregon and Mormon Trails, the Plateau route lay to the south and the Childs Route of 1850 lay to the north. There were numerous short detours and bypasses in addition to these noted alternatives.

Near Casper, the Childs Route was north of the North Platte River while the primary route of the Oregon and Mormon Trails was south of the river until reaching the Mormon Ferry northeast of the city. An alternate river crossing was near the present Fort Caspar on the west end of town.

West of Casper the routes divided further. The Bessemer Bend route followed the present Highway 220 west of Casper, as did two other alternatives north of the river but south of the primary route. The primary route led generally west from present day Mills, Wyoming (a suburb of Casper) along the Poison Spider road to Emigrant Gap about nine miles west of Casper. The Bessemer Bend Route rejoins the primary route of the Oregon and Mormon Trails about seven miles southwest of Emigrant Gap. From that point for many miles only one route was utilized, with few detours and/or alternatives.

The vast majority of the routes described so far are on private or state lands. Few vestiges of the original routes remain as most have been obliterated by agricultural practices, road building, urban development, or other activities.

The primary route then led southwest through such notable landmarks as Rock Avenue, Willow Spring, and Prospect Hill to the Sweetwater River and Independence Rock, one of the most important and well known historic sites on the Oregon Trail. West of Independence Rock the land ownership pattern changes radically with the majority of the trails being on public land managed by the BLM.

Near Jeffrey City, alternatives were pioneered to bypass the primary route's three crossings of the Sweetwater. One alternative passed through present Jeffrey City while the other, the Deep Sand Route, passed the present site of the Western Nuclear Uranium Mill 1-1/2 miles to the north.

The next major alternative to the primary route is the Seminoe Cutoff which led south of the Sweetwater River near Sweetwater Canyon and the famous Rocky Ridges. This alternative is generally associated with the California Gold Rush and is commonly referred to as the California Emigrant Trail. The Seminoe Cutoff rejoined the primary route near Burnt Ranch. Other minor alternatives avoided the Rocky Ridges both to the south and north of the primary trail route.

At Burnt Ranch, another major route alternative was the Lander Road. This cutoff led northwest through Sublette County, then west over the Wyoming Range in the present Bridger National Forest. It entered the Star Valley south of

Smoot and left the state of Wyoming near Auburn. The Lander Road was developed by the U.S. Government to shorten the route to Oregon and to provide better forage for livestock and draft animals used in the westward migration.

In 1844, a major cutoff to the Oregon Trail was established in the Green River Basin. This became known as the Sublette Cutoff. It was first developed by Caleb Greenwood and William Sublette. Its major advantage was that it cut off the 50-60 mile loop to Fort Bridger, a distance equivalent to about three days' travel. As a result, it was very popular with the California emigrants and the 49ers headed for the gold rush. This cutoff was noted for its lack of water and other hardships because of the desert crossing.

From Fort Bridger, the Mormon Pioneer Trail diverged from the Oregon Trail and led west-southwest through the Bridger Valley and exited Wyoming through the "Needles" south of the town of Evanston.

The Bridger Route of the Oregon Trail headed northwest from Fort Bridger, crossing the Bear River Divide in various ways, and entered present day Idaho south of Cokeville, Wyoming. Several bypasses and detours were found along the primary route southwest of Fossil Butte National Monument.

Other lesser known alternatives include the Slate Creek Cutoff which led from the Big Sandy River east of Lombard Ferry on the Green River to the Green River at the Case-Davis Ferry near the present-day Fontenelle Dam. Others included the Kinney Cutoff which led from Lombard Ferry on the Green River to the Sublette Cutoff at Rocky Gap, and the Dempsey-Hockaday cutoff which shortened the Sublette Cutoff somewhat from Rocky Gap to a point west on the Sublette Cutoff. Table 1 lists the principle routes and cutoffs by name and general location.

Certified sites and segments of the Oregon and Mormon Pioneer National Historic Trails are listed in Tables 2, 3, and 4. A certified site or segment of a National Historic Trail is an official designated component of the National Trail System. These, at present, are limited to sites and segments on public lands managed by the BLM. Sites and trail segments on state or private lands are not, at this time, part of the National Historic Trail System.

TABLE 1

ROUTE SEGMENTS AND CUTOFFS INCLUDED IN THIS PLAN

TIR Oregon/Mormon Trail - Torrington to Independence Rock
CR Childs Route - Fort Laramie to Casper
SS Sweetwater/South Pass Segment - Independence Rock to Little Sandy Crossing
LF Lombard Ferry Segment - Little Sandy Crossing to Fort Bridger
BR Bridger Segment - Fort Bridger to Bear River Divide
BD Bear River Divide Segment - Bear River Divide to Idaho
MC Mormon/California Trail Segment - Fort Bridger to Utah (Needles)
SC Seminole Cutoff - Warm Springs to Burnt Ranch
LR Lander Road - Burnt Ranch to Idaho state line near Auburn.
SV Sublette Cutoff - Parting-of-the-Ways to Cokeville
KC Kinney Cutoff - Lombard Ferry to the Slate Creek Cutoff
SL Slate Creek Cutoff - Big Timber Station to Rocky Gap
DH Dempsey-Hockaday Cutoff - Rocky Gap to Dempsey Ridge
BF Blacks Fork Cutoff - Black's Fork River to Ziller Ranch

TABLE 2

CERTIFIED HISTORIC SITES* AND LANDMARKS ON THE OREGON AND MORMON
PIONEER NATIONAL HISTORIC TRAILS IN THE STATE OF WYOMING

OREGON TRAIL

NAME	MANAGEMENT RESPONSIBILITY
Emigrant Gap	BLM - Casper District
Bessemer Bend	BLM - Casper District
Devil's Gate	BLM - Rawlins District
Split Rock	BLM - Rawlins District
Ice Slough Spring	BLM - Rawlins District
Rocky Ridge	BLM - Rawlins District
South Pass	BLM - Rock Springs District
Parting-of-the-Ways	BLM - Rock Springs District

MORMON TRAIL

NAME	MANAGEMENT RESPONSIBILITY
Devil's Gate	BLM - Rawlins District
Martins Cove	BLM - Rawlins District
Split Rock	BLM - Rawlins District
Split Rock Historic Site	BLM - Rawlins District
South Pass	BLM - Rock Springs District
Parting-of-the-Ways	BLM - Rock Springs District

* A certified site or segment that is an officially designated component of the National Historic Trail System.

TABLE 3

CERTIFIED SEGMENTS* OF THE OREGON AND MORMON PIONEER NATIONAL HISTORIC
TRAILS IN THE STATE OF WYOMING

OREGON TRAIL

NAME	MILES ON PUBLIC LAND
South Pass	72.0
Bear River Divide	16.0

MORMON TRAIL

NAME	MILES ON PUBLIC LAND
Fort Laramie	0
Independence Rock	3.5
Split Rock	1.0
South Pass	18.0
Dry Sandy	15.0
Lombard Ferry	0

*A certified segment that is an officially designated component of the National Historic Trail System designated as such when Congress adopted the NPS Comprehensive Plans.

TABLE 4

HISTORIC SITES ON THE OREGON AND MORMON TRAILS PRESENTLY LISTED ON
THE NATIONAL REGISTER OF HISTORIC PLACES

Site Name	Ownership	Date Enrolled
Fort Laramie*	NPS	-----
Devil's Gate**	BLM	08/17/59
Independence Rock**	State	07/02/61
South Pass**	BLM	12/--/61
Oregon Trail Ruts**	State	05/13/66
Fort Bridger	State	04/16/69
Names Hill	Private	04/16/69
Granger Stage Station	Private	02/26/70
Register Cliff	State	03/03/70
Piedmont Charcoal Kilns	Private	06/07/71
Parting-of-the-Ways	BLM	01/11/76
Johnston Scout Rocks	BLM	11/07/76
Split Rock	BLM	12/22/76
Martins Cove	BLM	03/08/77

*National Historic Site

**National Historic Landmark

TABLE 5
TRAIL MILEAGE ON PUBLIC LAND BY BLM DISTRICT

CASPER DISTRICT	<u>MILES</u>
Primary Trail	<u>3.5</u>
Casper Total	3.5
RAWLINS DISTRICT	
Primary Trail	45.0
Lander Cutoff	2.0
Seminole Cutoff	<u>23.0</u>
Rawlins Total	70.0
ROCK SPRINGS DISTRICT	
Primary Trail	109.5
Lander Cutoff	44.0
Sublette Cutoff	53.0
Kinney Cutoff	1.0
Slate Creek Cutoff	17.0
Dempsey Hockaday Cutoff	7.0
Blacks Fork Cutoff	<u>15.0</u>
Rock Springs Total	246.5

D. Major Problems and Issues

This section describes problems and issues that guide the preparation of the management plan.

1. The potential for adverse affects on private lands by public use of the Oregon and Mormon Trails is of considerable concern.
2. Trail segments and sites along the trail are being lost through inadvertent blading or other unauthorized use of trail ruts by parties working in the area.
3. Vandalism of developed historic sites and trail markers is a major concern of managing agencies and private landowners along the trail.
4. Administration/management of recreational use of the trails is difficult due to intermingled private lands, lack of access, and fragile trail resources. The BLM is faced with the task of making the trail available to the public for education, use, and enjoyment and, at the same time must ensure that the trail resources are not degraded, thus denying them for future generations to use and enjoy.
5. Management of trail segments within the three Wyoming BLM districts will be consistent with the National Trails System Act and current land use plans.
6. Administration of commercial and other group use on the trail is a major concern. Large groups have the potential to more adversely impact trail resources and adjacent private lands.
7. Trail resources are being lost due to natural processes of erosion.
8. Legal public access does not exist to important sites and segments of the trail.
9. There are numerous threats to the trails and associated historic sites from a variety of resource uses and development projects. Examples of these are: energy development, rights-of-way, recreational uses, and unauthorized upgrading of the trails into roads.

II. MANAGEMENT OBJECTIVES AND CONSTRAINTS

The Oregon and Mormon Pioneer National Historic Trails will be managed to achieve the following long-term objectives.

The overall goal of BLM management is to manage the Oregon/Mormon Pioneer Trails in a manner to protect the quality of cultural, natural, and historic values, and to protect certain trail corridors in their natural condition so as to provide for outdoor recreation and public use.

A. General Management Objectives

1. The BLM will adopt and utilize consistent general statewide trail management guidelines for the historic sites and trail segments on the public lands in Wyoming.
2. The entire length of the primary trail routes and major cutoffs and alternatives will be identified by the placement of uniform trail markers on BLM administered lands.
3. All historic sites and cross-country segments of the trails on federal lands should be managed to protect and interpret their historic values.
4. This plan focuses not only on the primary routes of the Oregon and Mormon Pioneer Trails but other heavily used or well-known cutoffs and alternatives as well. Even though these cutoffs and alternatives are not certified national historic trails, their historic values should nevertheless be safeguarded. Portions of those alternatives or related historic sites should be considered for certification as components of the National Trail System.
5. A continuing inventory and study program will be organized by the BLM, the state of Wyoming, and the National Park Service to complete the knowledge of the trail and its sites and segments. Such information will be used to assist in the protection and interpretation of the trails.
6. All planning and programs for marking the Oregon and Mormon Trails and protecting and interpreting their sites and segments will be coordinated with NPS, the State of Wyoming, and affected private landowners along the trails.
7. Existing land uses within the sites and segments identified in this plan which are compatible with historic preservation and public use will be continued. Existing land uses which may be incompatible with historical preservation of sites and trail segments will be monitored and, if necessary, modified to make them as compatible as possible.
8. Special consideration will be given to the uses permitted along fragile trail resources. Some are too fragile to withstand any use by vehicle or foot travel. Others are more durable. The kinds and extent of uses permitted will be determined on a case-by-case basis. Use of trail resources will be monitored to determine if adjustments in use are needed.

9. Certain sites and segments along the trails will be considered for nomination to the National Register of Historic Places.
10. The sites and segments of the trail will be managed in a manner that protects the trail as well as the health and safety of visitors.
11. Trail management will not restrict authorized land uses or activities that were existing within the trail corridors at the time of designation as National Historic Trails.
12. Attempts will be made to stabilize fragile trail remains and historic structures along the trails to ensure their availability for future generations to use and enjoy. Ruts may be stabilized through seeding, construction of natural appearing water bars, or restricting uses that promote erosion or other appropriate measures.
13. Off-road vehicle use guidelines will be identified commensurate with public access needs, the capability of the trails to handle use, and other resource use needs.
14. After appropriate protection measures have been completed, most sites and segments should be accessible and available for public use and enjoyment, to the extent that such accessibility does not impact upon historical values.
15. Actions that facilitate or enhance the public use of the sites and segments identified in this plan should not be made until adequate management capability has been implemented to assure their protection. For example, public access will not be improved and areas will not be popularized if the result would be damage to trail resources and historic sites.
16. Every effort should be taken to make the visiting public aware that private property rights along the trails are to be respected.
17. A selection of maps and user brochures and other materials interpreting the trails and the component sites and segments will be made available by mail, at BLM offices, and at conveniently located points along the trails. These will be developed in cooperation with the Wyoming Recreation Commission.
18. The trails will accommodate hiking, horseback riding, pleasure driving, limited recreational vehicle use, camping, picnicking, and sightseeing, where compatible with historic and natural resources and intermingled private lands and interests. A continuous route may be identified for trekking purposes on the Oregon and Mormon Pioneer Trails. The route need not always follow the trails, especially in areas of predominately private lands or fragile trail resource. It could follow other roads or other appropriate detour routes.
19. Public use areas will be identified along the trails. These include campsites, interpretive sites, access points, etc. Public use facilities will be simple in design and kept to a minimum, be consistent with sound carrying capacity principles, and be planned and located so as to harmonize with their surroundings. Facilities will be cost effective and constructed only when resource protection needs, safety hazards or significant public use justifies the expenditure.

20. User data will be systematically collected so that the BLM is aware of use patterns and trends along the trails. Monitoring use will allow BLM to respond to problems quickly with management actions.

B. Management Constraints

A management constraint is something which helps determine or guide BLM management. It is a limitation on what the BLM can do in terms of trail management.

1. The intensity of management will be directly related to funding levels.
2. Land Ownership Pattern - The pattern of land ownership, i.e., private lands intermingled with the federal lands, precludes the establishment of a continuous trekking route on the actual trail from Torrington to Farson. This land pattern also precludes access to certain historic sites.
3. Historic and Cultural Preservation Laws - Will constrain to some degree the development and use of the trails.
4. Potential for Vandalism - This will place some limits on the type and extent of development that could be carried out along the trails.
5. Public Input and Local Concerns - These will affect the contents of the final management plan for the trails. Trail management will incorporate consideration of local concerns such as effects on private lands, level of use, access, etc.
6. Fragile, Nonrenewable Resources - The historic sites and trail segments are very fragile and nonrenewable. Excessive development and improper use could cause irreparable harm to the resources.
7. Law Enforcement Capability - The BLM has a limited capability to monitor use and enforce laws on the public lands.
8. Much of the Oregon and Mormon Trails have been drastically altered by private and governmental management, farmlands, roads, urban settings, energy development, utility lines, and other evidence of modern development so that today only limited portions of the routes remain as the pioneers saw them.
9. Protection, interpretation, development, and management is to be based on the cultural, historical, natural, and recreational values found along the trails.

III. OREGON/MORMON TRAIL GENERAL MANAGEMENT POLICY

This policy describes how the Oregon/Mormon, California, and Pony Express Trails will be managed on the public lands in the State of Wyoming. It is intended to be a general policy applicable to all three districts having management responsibility for the above trail resources. It is designed to be flexible to ensure that unforeseen problems or circumstances can be handled without major policy changes.

A. Limitations of the Management Plan

This management plan is limited to lands managed by the Bureau of Land Management. State, private, and other federal lands are not included in the BLM's management program for these trails, except where exchanges, acquisition, or easements are planned.

B. Split Estate Lands

Management of surface resources is constrained by split ownership of the surface and mineral estates. Mineral estate and surface management responsibilities will be closely coordinated to minimize impacts on the Oregon and Mormon Pioneer Trails when private surface owners are willing to cooperate.

The specific policy is as follows:

1. Federal Minerals - Private or State Surface

The BLM is required by law to protect the environmental integrity of National Register eligible sites from potentially damaging federal actions. Surface ownership is not an issue unless the private owner denies access for cultural resource investigations and clearance for oil and gas wells in an area of proposed impact.

Whenever a significant split-estate segment of trail is discovered, the District Manager will consult with the private surface owner to determine whether or not the owner wants the trail to be protected. If protection is desired, protective stipulations will be attached to the authorization of the action. If the owner does not want the trail to be protected, then the district will consult with the Advisory Council on Historic Preservation, in accordance with Section 106 of the National Historic Preservation Act of 1966. After comments have been received and considered, the landowner's wishes will be followed.

2. Federal Surface - Private or State Minerals

Under this situation, the BLM, as surface manager, cannot reasonably prohibit development of mineral resources. The BLM can influence how development would take place. Where significant trail resources are found, the BLM could influence the location of access roads, the manner of construction, final

location of sites, and have input into design of reclamation measures. In the event that mineral development would result in the loss of significant trail resources, the BLM would work with mineral owners or developers to develop a satisfactory mitigation program. This would consist of interpretive facilities to replace lost wagon ruts, restoration of the site, or other measures on a case-by-case basis.

C. Protective Corridor Concept

A protective corridor may be established for significant sites and segments at the discretion of individual districts along primary routes and important alternatives to the Oregon and Mormon Pioneer National Historic Trails. A width of 1/4 mile either side of the trail or the visual horizon, whichever is less, is the recommended protection. This corridor should be considered for an Area of Critical Environmental Concern.

1. Establishment of Corridors

The protective corridors should be established by the respective districts through the BLM's land use planning process. They will be established at the discretion of the district managers after full public input.

2. Requirements for Corridor Segments

Lands within the corridor segments should possess a reasonable degree of environmental integrity. The trails themselves should be in a relatively unmodified condition. For the most part they should appear as they may have in the mid-1800's.

The following define how the protective corridors will be managed.

a. Certified National Historic Trails - Priority for consideration as protective corridors will be given to the certified segments of the Oregon and Mormon Pioneer National Historic Trails.

b. Fencing - New fencing projects will cross the trail corridor at right angles to minimize the number of feet per miles of fence within the corridor. Gates and, in some cases, cattleguards will be installed in the fence at trail crossings. Fragile or pristine trail ruts will be avoided with fence crossings.

c. Range Improvements - Range improvements in addition to fencing will be considered case-by-case. If environmental analysis indicates that they could be developed in the protective corridor without degrading the trail resources or affecting the trails natural setting (environmental integrity), they will be approved.

d. Rights-of-Way - Right-of-way crossings of the protective corridors may be made. All crossings will be accomplished to minimize surface disturbance in the protective corridor. Crossings will be allowed in areas where trail ruts have been modified by modern uses, where previous crossings exist, or where new corridor crossings would not damage trail remains. All crossings will

avoid fragile trail resources. Crossings should be made at right angles to the trail and corridor unless they follow a previous crossing, in which case they may deviate from a right angle. Vegetative species indigenous to the protective corridor will be used to rehabilitate right-of-way related surface disturbance. Any disturbed area will be returned to a natural contour.

Stipulations will be developed in consultation among the project proponent, adjacent private landowners, and BLM personnel. The stipulations will govern exactly where and how the right-of-way will cross the corridor and how rehabilitation procedures will be used to restore the area. Qualified cultural resource specialists or BLM personnel may be on-site during the construction phase of the project to ensure that the requirements of the right-of-way permit are met.

D. Mineral Management

1. Mineral Leasing - The BLM will continue to issue mineral leases on public lands where both the surface and mineral estate are in public ownership. The leases will contain "no surface occupancy" stipulations to prevent disturbance of trail resources in the corridor. Access to mineral resources such as oil and gas may be available through off-site drilling or directional drilling.

2. Salable Minerals - The BLM will continue to consider applications for sand and gravel and other salable minerals in the trail corridor on a case-by-case basis. Approval of applications or the decision to attach special surface protection stipulations will be based on environmental review and analysis of each proposal.

3. Locatable Minerals - The portions of the protective corridor that are presently withdrawn from mineral location will continue under present management. Those portions presently open to location will be managed under the BLM's surface management regulations governing exploration and development. Plans of operations requirements may be instituted on sensitive trail segments and sites if necessary to protect significant trail resources (for regulation see 3809.1-4). Any future modifications of the present withdrawal status will be considered in the respective district's resource management plans.

4. Valid Existing Rights - The BLM will recognize all valid existing rights in the protective corridors. Examples of valid existing rights are existing oil and gas leases.

E. Trail Marking

The BLM will adopt a uniform system to mark the trails statewide on public lands. The marking program will include the five actions listed below.

1. Trail ruts and segments will be marked with 6" x 6" x 6' treated wooden signposts with routed names on the sides (see Figures 1 and 2.) The posts will be treated to retard decay.

2. Major road crossings of the trails may be marked with trail signs identifying the trail (see Figures 3 and 4).
3. Signs will be labeled with standard BLM signs showing legal description of sign location. BLM sign S-8 will be used (see Figure 5).
4. Trail posts will be located every 1/2 mile, or a distance determined to be appropriate by the individual area managers.
5. An inventory of the signs will be maintained. Annual field checks will be conducted and missing or damaged signs will be replaced. Signs will be supplied by the National Park Service or the BLM Rawlins sign shop.

FIGURE 1
NATIONAL HISTORIC TRAIL MARKERS

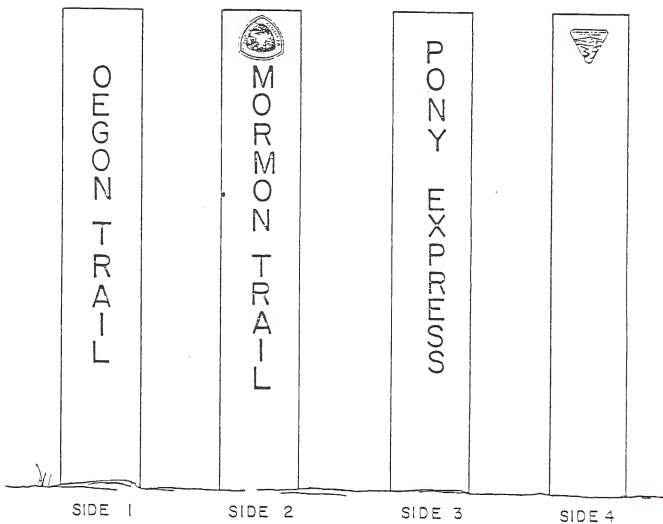


FIGURE 3
MORMON PIONEER NATIONAL HISTORIC TRAIL OFFICIAL EMBLEM



FIGURE 5
BLM SIGN S-8 LOCATION INDICATOR

Sign No. S-8
(March 1959)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

T. [] R. [] SEC. []

TACK SHOWS APPROXIMATE POSTER LOCATION

CORNER IS [] FT.	HOW LOCATED []	BY []
DIRECTION []		DATE []

KEEP AMERICA GREEN

F. National Register of Historic Places

Selected sites and segments of the Historic Trails may, from time to time, be nominated to the National Register of Historic Places. All agencies involved with management of the trail resources (BLM, U.S. Fish and Wildlife Service, U.S. Forest Service, State of Wyoming) have agreed to cooperate in the development of a thematic nomination for the Oregon and Mormon Trail routes across Wyoming. The Wyoming State Historic Preservation Officer has completed the draft Statement of Significance. Individual site and segment nominations will be done at the discretion of the individual district managers.

Subsequent nominations would be made as needed for selected sites or trail segments.

G. Monitoring and Use Supervision

The BLM will implement a monitoring and use supervision program on the trails. It will consist of the following:

1. Monitoring recreational use through the use of volunteers or seasonal employees patrolling trails and historic sites. This may include visitor contact and live interpretation as time and budget permit;
2. Placement of visitor registers at all interpretive sites and areas which serve as trailheads;
3. Placement of traffic counters at developed sites; and
4. Monitoring condition of trails and related resources annually. Document with photography to determine trend information.

H. Special Recreation Use Permits (SRUP)

The BLM will use the Special Recreation Permit Policy, 43 CFR 8560. Permits will be required for all commercial use of the trails and all noncommercial groups exceeding 10 people or 5 vehicles in size. Vehicles are defined as all vehicles (motor or otherwise), regardless of size. Permits may be required for individual use if special circumstances or conditions warrant. This does not include excursions to sites or short trail segments by groups or individuals.

The permits will be administered by the respective resource area (RA) offices. For events or tours involving more than one district or RA, one permit only will be required. It will be issued by one RA office and coordinated with other RAs through which the tour would pass.

Compliance will be handled by affected resource area offices. Permittees will be required to coordinate the tour with affected private landowners as a condition of the permit.

I. Off-Road Vehicle (ORV) Designation

The Oregon and Mormon Pioneer National Historic Trails should be designated as "limited" or "closed" areas. No area should be designated as "open."

The designation "closed" to ORV use will be utilized to protect fragile pristine trail ruts which would be damaged or lost through continued ORV use.

J. Impacts on Private Landowners

Management actions will be designed to minimize impacts on private landowners. BLM actions will consider the following:

1. The BLM will consider adopting a general policy of refraining from developing new use facilities (campgrounds, roadside sites, etc.) near or adjacent to private lands;
2. Users will not be directed into private lands by BLM signing unless covered by a recreation land use agreement;
3. Users under the special recreation use permit program will be required to coordinate their tour with private landowners as a condition of the permit; and
4. It will not be the policy of the BLM to use condemnation authority to acquire trail segments, access, or other interests in private lands for the purposes of management of National Historic Trails.

K. Facilities

The general statewide policy relating to developed facilities is that the existing number and locations are adequate for the trails. New facilities will be limited to those proposed to mitigate trail loss through construction activities or to those designed to control visitor use and minimize impacts on the trails, private lands, and existing uses. They must also satisfy a clear public need for access to or use of the trail.

L. Interpretation

Interpretive materials and displays will focus on the Oregon and Mormon Pioneer Trails as the primary theme. However, the interpretive displays will provide information about the trail corridor during prehistoric times, the fur trade era, the emigrant period, pony express, California Gold Rush, and early ranch settlements in the late 1800's. Interpretive displays will be located at all developed sites.

The overall theme for interpretation of the trails is clearly articulated in Appendix I, Historical Overview of the Oregon/Mormon Pioneer National Historic Trail Routes.

M. Brochure

The BLM will develop National Historic Trail Brochure(s). Brochures will be designed to provide information useful and/or essential for the trail users. They may contain:

1. The main and alternate routes of the Oregon and Mormon Pioneer Trails;
2. Pristine areas where a person can see the trail as it was 130 years ago;
3. Land ownership status: public, state, or private;
4. User ethics, landowners permission, litter, respect of cultural resources;
5. Historic sites;
6. Developed recreation and interpretive sites along the trails;
7. Visitor accommodations within or near the trail corridor;
8. Main highways, towns, and public roads in or near the trail corridor;
9. Public access to the trails and related historic sites; and
10. Limitations on use of the trails. This will consist of information on hazards, off-road vehicle use, special recreation use permit requirements, private land rights, and fragile trail resources.

A key use of the brochures will be to provide information to other users of the lands (oil and gas operators, utility companies, etc.) about the historic trails, related sites, and how the BLM intends to manage them. Advance knowledge about BLM management will help energy companies design and locate facilities in the vicinity of the trails with little or no adverse impacts.

A guide to the Lander Cutoff of the Oregon Trail was prepared jointly by the BLM and the U.S. Forest Service in 1968. The BLM will keep that and similar documents in print. Guides or brochures may be developed for other cutoffs such as the Sublette or Seminoe.

N. Standard Land Management Procedures

The BLM operates under a large number of regulations which govern management and protection of resources. These regulations are fully operational and apply to the management of the trails.

Present management of the Trails is established by Wyoming State Office Instruction Memorandum WY-83-380: "Guidelines for the Evaluation and Protection of Historic Wagon Trails."

Examples of some of the important regulations which affect trail management are:

1. Management of Off-Road Vehicles 43 CFR 8340;
2. Special Recreation Permit Policy 43 CFR 8750;
3. Mining Claims Under the General Mining Laws 43 CFR 3800;
4. Preservation of American Antiquities 43 CFR 3;
5. National Register of Historic Places 36 CFR 60;
6. Protection of Archeological Resources: Uniform Regulations 43 CFR 7;
7. Oil and Gas Leasing 43 CFR 3100;
8. Onshore Oil and Gas Operations 43 CFR 3160;
9. Protection of Historic and Cultural Properties 36 CFR 800; and
10. Resource Management Planning 43 CFR 1600.

In addition to the above examples, standard oil and gas lease stipulations have been developed. The purpose of these stipulations is to reserve, for the BLM, the right to modify operations on portions of the subject lease as part of the statutory requirements for environmental protection. The objective of the stipulations is to inform a potential lessee of the environmental conditions that may be present on a lease parcel and alert the lessee of special requirements to be met upon development.

The stipulations are as follows:

- a) Surface disturbance stipulation;
- b) Wildlife stipulation;
- c) Special resource protection stipulation; and
- d) No-surface occupancy stipulation.

The above are only a few of the many regulations that would apply to the management of the Oregon and Mormon Pioneer National Historic Trails. Every management action called for in this plan is based on existing laws, regulations, or active BLM instruction memoranda.

0. Volunteers

The use of volunteer services to develop, interpret, and manage the Oregon and Mormon Pioneer Trails will continue to be encouraged.

Volunteer services and projects must be coordinated through the respective BLM offices and will be in conformance with the statewide Oregon/Mormon Pioneer Trail Management Plan.

Volunteers may typically come from local clubs and organizations, church groups, individuals, local government, Student Conservation Association volunteers, or national interest group members.

P. Land Tenure Adjustment

As identified in land use plans, land tenure adjustment will continue to be a tool to improve management of the trails. Land acquisitions through purchase or exchange are two options. Use of these procedures will be limited in the future due to the expense and difficulty of completing land exchanges or of purchasing private or state lands. Scenic easements would also be considered.

Q. Cooperative Management Agreements

The BLM will consider the use of Cooperative Management Agreements (CMAs) to manage sites along the trails. CMAs may be entered into between the BLM and state or local governments, adjacent landowners, church organizations, historical societies, NPS, USFS, or other organizations. The purpose of a CMA would be to improve management of historic sites, ensure that adequate management and maintenance was available to properly care for historic sites, provide for marking and interpretation of historic sites, provide adequate management in the face of budget shortages, and perhaps most important, directly involve local groups and organizations in day-to-day management of the historic sites along the trails.

R. Other Private Sector Involvement

To encourage private sector involvement in management of the trails, the BLM will develop a gift catalog for the trails. This will identify projects and developments (signs, monuments, printed materials, etc.) which may be donated to the BLM for the trail. Cash, materials, equipment, or services may be donated. The catalog will identify specific project needs and related costs, and the goals and objectives they would accomplish.

S. Cross Country Trekking

Trekking the Oregon/Mormon Pioneer National Historic Trails is considered a normal public use of these cultural resources. Trekking occurs on foot, on horseback, and may also involve wagons or handcarts to re-enact the pioneer emigrant experience. The BLM will continue to allow this use on the public lands so long as it does not damage physical trail resources.

Larger groups and commercial outfitters will be required to have a Special Recreation Use Permit.

This plan does not imply that permission to cross private lands will be given. All trekkers are directed to contact private landowners to obtain required permission before beginning the trek.

If trekking causes physical damage to trail resources, that trail segment may be closed to such use and trekkers will be detoured around those segments.

Motor vehicle use will continue to be authorized where it presently occurs on the trails, as long as this use does not damage trail resources. If damage does occur, the trails may be closed to motor vehicle use. Some segments of ruts on public lands will be closed in the near future (see management guidelines for specific segments).

For all trail segments that are now improved roads, no restrictions on trekking or vehicle touring will apply, except the general ORV requirement to remain on the roads.

T. Industrial Use of the Trails

The Oregon and Mormon Trails and all the cutoffs included in this plan will not be available for use as industrial access roads without special permission from the authorized officer. Industrial activities include use of the trail as oil and gas drilling access roads, seismograph activity, or as haul roads for heavy truck traffic.

IV. THE MANAGEMENT PROGRAM

A. Introduction

This section includes management actions for the trails. These are specific actions for individual trail segments and historic sites. These actions are those which the BLM will implement in the short term, prior to 1991. All of these actions are an extension of the Oregon/Mormon Trail General Management Policy.

The management measures are organized by individual trail segment in the order they would be encountered on an east/west migration. The individual trail segments are as follows:

- TIR Oregon/Mormon Trail - Torrington to Independence Rock
- CR Childs Route - Fort Laramie to Casper
- SS Sweetwater/South Pass Segment - Independence Rock to Little Sandy Crossing
- LF Lombard Ferry Segment - Little Sandy Crossing to Fort Bridger
- BR Bridger Segment - Fort Bridger to Bear River Divide
- BD Bear River Divide Segment - Bear River Divide to Idaho
- MC Mormon/California Trail Segment - Fort Bridger to Utah (Needles)
- SC Seminoe Cutoff - Warm Springs to Burnt Ranch
- LR Lander Road - Burnt Ranch to Idaho state line near Auburn.
- SV Sublette Cutoff - Parting-of-the-Ways to Cokeville
- KC Kinney Cutoff - Lombard Ferry to the Slate Creek Cutoff
- SL Slate Creek Cutoff - Big Timber Station to Rocky Gap
- DH Dempsey-Hockaday Cutoff - Rocky Gap to Dempsey Ridge
- BF Blacks Fork Cutoff - Black's Fork River to Ziller Ranch

B. Management Actions for Trails

1. Torrington to Independence Rock (Casper/Rawlins Districts)

a. Management of Sites:

1) Site TIR-1 Fort Laramie A

Management Actions. The site, an excellent example of Oregon Trail ruts, could be managed by the National Park Service under a cooperative management agreement (CMA). If such a CMA were entered into, appropriate development would include a parking area, a footpath to the trail ruts, signing and interpretive panels. In the absence of a CMA, development of the site would be limited to signing. The ruts themselves will remain closed to ORV use and the site will be nominated to the National Register of Historic Places.

2) Site TIR-2 Fort Laramie B

Management Actions. Public access will be provided to the site. It will remain closed to ORV use. Directional signing will be provided along with interpretive signing at the ruts themselves. The site will be nominated to the National Register of Historic Places.

3) Site TIR-3 Bessemer Bend

Management Actions. The existing facilities at this crossing of the North Platte River will be retained. The site was established in 1976 for the Bicentennial. Management actions include public access, designated parking, interpretive panels, vault toilets, and garbage service. Additional facilities will include a picnic ramada, picnic tables, planting of shade trees, and the acquisition of two acres adjacent to the site.

4) Site TIR-4 Emigrant Gap

Management Actions. Emigrant Gap is a shallow pass through the ridge now called Emigrant Gap Ridge. A historical marker will be installed at the site. A designated parking area and interpretive panel will be developed to facilitate public use and enjoyment of the site.

5) Site TIR-5 Horse Creek

Management Actions. Public access will be maintained. Directional and interpretive signing will be installed at the site. ORV use will be limited to existing roads and vehicle routes at the site.

b. Management of Trail Segments:

The Platte River Resource Area Resource Management Plan/Environmental Impact Statement (RMP/EIS) sets forth land use management decisions for the Oregon/Mormon Trail Resource Management Unit (RMU). Management in this unit

will be directed primarily toward protection of the character of significant remnants of historic trail segments. Interpretation and ORV use would be managed for enhancement of the cultural resources. The trail segments will be protected from surface development and ORV use. Any additional trail segments that may be located will be protected on the basis of an evaluation of their significance. The following specific management actions are based on the Platte River RMP/EIS.

1) Site TIR-6 Old Bedlam Segment

Management Actions. At present, public access exists to the site. It will remain closed to ORV use. A designated parking area will be developed along with directional signing and interpretive panels. A foot trail to the wagon ruts will be included in development plans. The site will be nominated to the National Register of Historic Places.

2) Site CR-1 Platte Island Trail Segment

Management Actions. Public access presently exists to the site and it is closed to ORV use. These measures will be retained. In addition to those management actions, the site will have a historic marker and interpretive sign installed. The site will be nominated to the National Register of Historic Places.

3) Site TIR-7 Sergeant Custard Segment

Management Actions. The site will remain closed to ORV use. A historic marker will be installed and the site will be nominated to the National Register of Historic Places.

4) Site TIR-8 Glade Draw Segment

Management Actions. The existing ORV closure will be maintained. Public access will be maintained to the site. Future management actions include placing a historic marker and interpretive sign at the site. The site will be nominated to the National Register of Historic Places.

5) Site TIR-9 Ryan Hill Segment

Management Actions. A hill (Prospect Hill) requiring a significant climb with a grade averaging 7.5 percent. A landmark popularized by Mormons in William Clayton's Latter Day Saints Emigrants' Guide. Other recreational developments will include a designated parking area, interpretive panels, a scenic overlook, and a foot trail to the trail ruts. The site will be nominated to the National Register of Historic Places.

2. Sweetwater/South Pass Segment (Rawlins/Rock Springs Districts)

This segment consists of the primary route of the Oregon/Mormon National Historic Trails. It begins at Independence Rock in the Rawlins District (Sec. 9, T. 29 N., R. 86 W.) and ends at the Little Sandy River crossing in the Rock

Springs District (Sec. 28, T. 26 N., R. 105 W.). The route generally follows the Sweetwater River from Independence Rock to South Pass, passing such major historic sites as Devil's Gate, Martins Cove, Split Rock, Ice Slough, and Burnt Ranch. It then heads southwest from South Pass to the crossing of Little Sandy Creek, the end of this segment.

a. Management of Sites:

1) Site SS-1 Devil's Gate

Management Actions. Devil's Gate, a prominent landmark north of the trails on the Sun Ranch, was formed by a precipitous canyon through which the Sweetwater River flows. It was described in many emigrants' journals. The site is presently a national historic landmark. The existing mineral withdrawal will be retained. Devil's Gate will be managed to maintain its present natural appearance. This means that activities that would significantly disturb the area will not be allowed. The site will be managed to protect and ensure the continuation of existing uses, in addition to the scenic value. Retain Devil's Gate on the National Register of Historic Places.

2) Site SS-2 Devil's Gate Historic Site

Management Actions. This BLM-managed roadside interpretive site interprets the site from the fur trade era through the 1860s. It was established in 1976 for the Bicentennial. Devil's Gate interpretive site will be managed to interpret the Sweetwater Valley at Devil's Gate. Topics include Devil's Gate, the fur trade, the emigrant trails (Oregon, Mormon, and California), the Pony Express Route, military forts, telegraph line, and early ranching in the area. The site will be withdrawn from mineral entry. No developed facilities except the existing paved parking lot, paved trail, fence, signs, trash cans and interpretive panels will be maintained at the site. Permaloy interpretive panels will be considered for future replacement of existing panels at the site. The Martins Cove National Register Plaque and interpretive sign will be displayed at the Devil's Gate interpretive site.

3) Site SS-3 Martins Cove

Management Actions. Martins Cove is a protected pocket on the southern flank of the Sweetwater Rocks. Captain Edward Martin's Mormon Handcart emigrants took refuge from a winter storm in November 1856, where 135 to 150 persons died of exposure. Interpretation of the Martins Cove site will be included at the existing Devil's Gate Historic Site. The BLM does not anticipate attempting to acquire access across the private lands to the site. The BLM will seek a mineral withdrawal for the site and manage it to protect the natural and scenic features. Surface-disturbing activities will not be authorized. Only the minimum area necessary to protect the site will be affected (600 acres - the area covered by the National Register site). The site will be retained on the National Register of Historic Places.

4) Site SS-4 Astorian Camp

Management Actions. The precise location of this site is not known. The Astorian campsite will be interpreted at the adjacent Devil's Gate Historic Site.

5) Site SS-5 Split Rock

Management Actions. Split Rock is a highly visible landmark which covers roughly one square mile and consists of a cleft in solid granite. It was used by travelers to mark the route along the Sweetwater River. The existing mineral withdrawal will be retained. The BLM will manage Split Rock to preserve its natural scenic features. No surface-disturbing activities will be authorized. The site is currently part of a BLM Wilderness Study Area (WSA). No development is recommended for the site. This site will remain on the National Register of Historic Places.

6) Site SS-6 Split Rock Pony Express Station

Management Actions. This historical way station is in the viewshed of the Split Rock interpretive site and immediately adjacent to the Oregon/Mormon Trails. The BLM will maintain the natural appearance of the site. To do this, surface-disturbing activities at the site will not be authorized. Rights-of-way, for example, will be required to pass south of Craner Rock rather than north of the rock along the Sweetwater River. The site will be evaluated to determine if it should be nominated to the National Register of Historic Places.

7) Site SS-7 Split Rock Interpretive Site

Management Actions. A BLM-managed interpretive site adjacent to Highway 287. Built as a Bicentennial project. Interprets trails, Pony Express, military post, and telegraph line. The site will interpret the Oregon and Mormon Pioneer National Historic trails. It will also provide limited picnic facilities, vault toilets, and garbage service. The site will be withdrawn from mineral entry. The Split Rock site will interpret adjacent historic sites on the trails such as stage stations, military posts, and other features along the trails. The "Three Crossings" site, for example, will be interpreted at the existing Split Rock sites rather than developing a new site. Permaloy interpretive panels will be considered for future replacement of existing panels at the site.

8) Site SS-8 Three Crossings

Management Actions. A geographic landmark and difficult obstacle where the emigrants had to cross the Sweetwater River three times in two miles. Scene of a garrison site for the 6th and 11th Ohio Cavalry as well as Pony Express and Overland Trail Stage stations. This site involves predominantly private and state lands, and no facilities are presently in place. Public access to this site is not available and most of the site lies on private land, including the actual crossings, station, and historic site. Interpretive potential on public land is limited. Due to these constraints, no management actions are planned by the BLM at this time.

9) Site SS-9 Ice Slough

Management Actions. This site is a marsh occupying a small valley on both BLM and private lands. Prior to being physically drained, water collected beneath

the turf and froze. The heavy insulating layer kept the ice frozen until summer when it was used by emigrants as a welcome refreshment. The existing facilities consist of a roadside turnout and state historical marker on the north side of the highway. This facility, although minimal, adequately interprets the site on public land. The largely undeveloped setting of ice slough offers the highway visitor an opportunity to appreciate and experience the wide open spaces of the trail as it was in historic times.

The public lands should be retained under BLM management and the site should be considered for nomination to the National Register of Historic Places.

10) Site SS-10 Seminoe Cutoff Parting

Management Actions. The only notable feature is the fact that the primary trail and the Seminoe Cutoff diverged at this point. The BLM will install a small interpretive sign, identifying the site as the Seminoe Cutoff Parting.

11) Site SS-11 Rocky Ridges

Management Actions. Limited interpretive signs of a non-obscuring character should be placed at Rocky Ridges. This site is approximately a four square mile area over which the emigrants toiled up steep hills along the trail on the north side of the Sweetwater River. Low profile, interpretive signs should be placed near the crest of the ridge where iron rust marks from pioneer wagon wheels are still visible on the rock outcrops. This would enhance appreciation of the site by parties traveling over the trail but would not detract from the significant, natural character of the area. The area will continue to have a "limited" ORV designation - vehicle travel is limited to existing roads and vehicle routes. The site will be considered for nomination to the National Register of Historic Places.

12) Site SS-12 Oregon Trail Withdrawals

T. 29 N., R. 87 W., 6th Principal Meridian, Wyoming

Section 25: S1/2S1/2
Section 26: SE1/4
Section 35: N1/2NE1/4

T. 29 N., R. 89 W., 6th Principal Meridian, Wyoming

Section 13: SW1/4, S1/2N1/2
Section 18: Lots 6, 7, E1/2SE1/4, SE1/4
Section 19: Lots 1, 2, 3, 5, 6, 7, 8, NE1/4SW1/4

T. 29 N., R. 97 W., 6th Principal Meridian, Wyoming

Section 22: SW1/4SW1/4
Section 27: NW1/4, SW1/4NE1/4
Section 28: N1/2
Section 34: SE1/4, E1/2SW1/4, SW1/4SW1/4

T. 27 N., R. 101 W., 6th Principal Meridian, Wyoming

Section 4: SW1/4, S1/2NW1/4

Section 5: SE1/4, S1/2NE1/4

The subject lands were withdrawn for protection of segments of the historic Oregon Trail corridor and associated landmarks. The lands are presently used for grazing, recreation, and wildlife habitat. The mineral report for the subject lands shows the lands are not known to contain locatable minerals of more than nominal value, although numerous mining claims have been filed on these lands.

Management Actions. These withdrawals will be maintained to protect natural values of the area and sites related to pioneer exploration and emigration. The withdrawal should be expanded to include the NWNE Sec. 27, S1/2 Sec. 22, T. 29 N., R. 97 W. The purpose of the withdrawal is to limit surface uses which would disturb natural and scenic values of the area near the Oregon/Mormon Trails.

13) Site SS-13 Radium Springs (Gillispie Place)

Management Actions. Radium Springs was utilized by Oregon and Mormon Trail emigrants, the Pony Express, and miners from the Lewiston mining district. The buildings will be fenced to protect them from cattle and vandalism (FY85). A rustic designed interpretive sign will be placed at the site to inform visitors about its history (FY85). The structures will be stabilized to prevent further deterioration. The site should be evaluated for nomination to the National Register of Historic Places.

14) Site SS-14 Willie's Handcart Disaster Site

Management Actions. Willie's Handcart Company was a group of Mormons bound for Utah who got caught in a severe storm in November 1856. They were trapped on Rock Creek and, before their rescue, 77 Mormons died. The majority of the site is on private land. The portion on public land should be maintained in a natural condition and managed as an important historic site. Surface disturbance will not be allowed. Existing mining claims will be honored and managed under 43 CFR 3809, Surface Management. Undeveloped group camping will continue to be a major use of this sheltered Rock Creek Cove.

15) Site SS-15 Burnt Ranch (private land)

Management Actions. Burnt Ranch is the site of the ninth crossing of the Sweetwater, where the Seminole Cutoff rejoined the original trail. Burnt Ranch is also the site of the beginning of the Lander Cutoff. The BLM would continue to negotiate acquisition of the private lands at Burnt Ranch through purchase or exchange. Attempts have been made to acquire the property by those means in the past without success. The landowner has expressed a willingness to negotiate on the sale of the property and is in favor of protecting its historic value. The lands that should be acquired are in Sections 23, 24, 25, and 26, T. 28 N., R. 100 W. The most important lands to acquire are the SW1/4SE1/4 Sec. 23 and the NE1/4, NE1/4SE1/4 Sec. 26, T. 28 N., R. 100 W. (240 acres). This action would place in public ownership lands that were used as:

part of a fur trade route;
a military garrison post;
a telegraph station;
the ninth crossing of the Sweetwater on the Oregon Trail;
a Mormon mail station and camp site;
a stage stop;
the Junction of the Oregon Trail and the Lander Road/Seminole Cutoff;
a historic ranch;
an emigrant campsite;
a site for numerous emigrant graves;
the Point-of-Rocks/South Pass stage; or
a road crossing of the Sweetwater.

This proposed land acquisition will be handled on a willing buyer/willing seller basis. No condemnation actions will be utilized to meet BLM management objectives for the Oregon/Mormon Trails. In the event that it proves impossible to acquire the above private lands, the BLM will seek to acquire a scenic/conservation easement for the 240 acres described above. The purpose of this action will be to preserve the historic values of the site and provide some compensation for the owner.

If acquired, the lands would be managed to minimize surface disturbance and damage to the historic properties.

Recreational development would not be undertaken. No campgrounds or other facilities for the convenience of visitors would be developed. No improvement of access would be attempted.

Interpretive signing would be installed to inform visitors of the historic value of the site. The subjects to be included in the interpretive display are listed above.

Burnt Ranch would be nominated to the National Register of Historic Places and not be made available for mineral leasing (if the BLM is able to acquire both the surface and mineral estate), rights-of-way, or other activities that would cause surface disturbance. Patrol of the site would be performed periodically to deter vandalism and monitor site condition.

16) Site SS-16 Twin Mounds

Management Actions. The Twin Mounds are low hills located east of the Continental Divide at South Pass; a minor Oregon Trail landmark. Numerous travelers thought them to be South Pass. A small sign will be placed adjacent to the trail ruts to identify the Twin Mounds.

17) Site SS-17 South Pass

Management Actions. South Pass is the point where the Oregon/Mormon Pioneer Trails crossed the Continental Divide. The site will be retained under BLM management. This site will be managed as it presently exists, a simple minimally developed interpretive site. The fencing will be maintained as it presently exists. No attempts will be made to advertise the site as excessive

use and vehicle traffic could result in vandalism of the two existing stone monuments. The site is currently on the National Register of Historic Places as a national historic landmark. This designation will be retained.

Interpretation of South Pass will be done at the roadside exhibit (Site SS-20).

18) Site SS-18 Oregon Buttes

Management Actions. Manage the Oregon Buttes as a scenic background for the Oregon Trail. A small sign identifying the Oregon Buttes will be placed adjacent to the trail and at the South Pass (SS-17) site. Oregon Buttes should be nominated to the National Register of Historic Places.

19) Site SS-19 Pacific Springs (private land)

Management Actions. Pacific Springs, located in a valley west of South Pass was the first good water source west of the pass. The site was used as a campsite by emigrants. Buildings and other structures at the site are abandoned. The BLM will contact the owner of the private lands concerning an access agreement/easement on the trails through this parcel of private land. If the landowner shows no interest in such a proposal, it will not be pursued.

In the event the BLM does acquire access through the Pacific Springs site, either through purchase of an easement or through cooperative agreement, measures will be taken by the BLM to protect and stabilize the historic structures at the site.

A sign identifying the site should be placed on public lands NW1/4NE1/4NW1/4 Sec. 12, T. 27 N., R. 102 W.

20) Site SS-20 South Pass Exhibit

Management Actions. This site will be managed as a roadside interpretive site for the Oregon, Mormon, and Pony Express Trails. Existing signs will be repaired and/or replaced. Annual maintenance will include repair of facilities, as needed, and garbage pickup. Sites to be interpreted include Pacific Springs, South Pass, Oregon Buttes, the trail itself, and other surrounding physical landmarks.

21) Site SS-21 Pioneer Grave

Management Actions. The site will be protected by limiting surface-disturbing activities.

22) Site SS-22 Plume Rocks

Management Actions. Plume Rocks, a minor trail landmark, are low clay bluffs east of Dry Sandy Crossing. A small sign will be placed adjacent to the Oregon/Mormon Trails to identify Plume Rocks.

23) Site SS-23 Dry Sandy Crossing (private land)

Management Actions. The Dry Sandy Crossing was the first stream crossing west of Pacific Springs. This stream was a source of brackish water. The site is on private land with peripheral areas on public land. The BLM will pursue acquisition through exchange of 40 acres of private land at the Dry Sandy Crossing. The legal description of the subject land is NE1/4NE1/4 Sec. 29, T. 27 N., R. 103 W. This is the only parcel of private land between Pacific Springs and the Little Sandy. The parcel contains hand-dug emigrant wells and the remains of the stage and Pony Express station.

In the event that the private lands are not acquired, interpretive signing could be installed on adjacent BLM-administered lands (SE1/4SE1/4SE1/4 Sec. 20, T. 27 N., R. 103 W.). A second option for management of the site would be the purchase of an easement through the private parcel along the trail. This would also satisfy the need for access and interpretive facilities at the site.

The Dry Sandy site should be nominated to the National Register of Historic Places. Interpretive signing should be installed. The signs would interpret the site's significance in terms of the Oregon, Mormon, and Pony Express Trails. The signs should mention the hand-dug wells, the Mormon pioneer party campsite, the Pony Express/stage station, and the nearby landmark of Plume Rocks.

24) Site SS-24 Parting-of-the-Ways

Management Actions. This site marks the beginning of the Sublette Cutoff, a route that cut 50 miles off the route to Oregon, bypassing Fort Bridger. Low profile, interpretive signing should be installed at the site. It should interpret the significance of the Sublette Cutoff as an alternate to the main route and Parting-of-the-Ways as a place of decision. It is currently on the National Register of Historic Places. That listing should be continued.

25) Site SS-25 Little Sandy Crossing

Management Actions. The Little Sandy Crossing provided a good source of water on the road to Fort Bridger. Used as a campsite by most travelers on the trail, there are numerous emigrant graves located at this site. An access agreement should be negotiated or an easement should be obtained through the parcel of private land at the point where the trail crossed the Little Sandy. As the situation now exists, one may travel from Dry Sandy to Little Sandy on public land but one cannot cross the Little Sandy to the County Road without crossing 1/2 mile of private land (W1/2 Sec. 28, T. 26 N., R. 105 W.). Acquisition of an easement or cooperative access agreement would ensure public access along this segment of trail.

Interpretive signing should be installed on public lands (E1/2 Sec. 28, T. 26 N., R. 105 W.) adjacent to the site. It should interpret the significance of the site to the Oregon/Mormon Trails and other historic uses, including the June 28, 1847 Mormon pioneer party campsite and meeting with Jim Bridger.

b. Management of Trail Segments:

1) Segment 1, East of Devil's Gate

Close the trail ruts in the following sections to all off-road vehicle use (sections 29 and 30, T. 29 N., R. 86 W.).

2) Segment 2, Jackson Lake to Split Rock

Public access to this segment is available except for 1/2 mile. The BLM will seek access through easement acquisition through the following private lands: NW1/4NW1/4 Sec. 27, NE1/4NE1/4 Sec. 28, T. 29 N., R. 89 W. This easement will open a 12-mile segment of the trails to use which cannot, at present, be traversed without trespassing on private lands.

If the private landowner is not interested in granting an easement across his property, the proposal will be dropped.

If the easement were obtained, it would not be advertised by highway signs. It would be shown in the proposed Oregon/Mormon Trail brochure which will be published to inform interested persons of the opportunities and limitations connected with trail use.

3) Segment 3, Dry Sandy Swales

An informational sign will be erected at the point where the modern vehicle track crosses the "Dry Sandy Swales" of the trail. These are the most impressive of any deep ruts on the Oregon Trail. The sign would inform visitors that this enormous groove in the face of the land was worn by thousands of westward trekking Americans. The Swales are located in Sections 29 and 30, T. 27 N., R. 103 W.

c. Management Policy:

All other management of the trail segments is outlined in the Oregon/Mormon Trail General Management Policy. The Sweetwater/South Pass segment of the Oregon/Mormon Pioneer National Historic Trails is considered to be the highest priority segment for funding, development, and management.

3. Lombard Ferry Segment (Rock Springs District)

This segment consists of the Oregon/Mormon Pioneer Trails, the California Trail, and the Pony Express route. It begins at the Little Sandy Crossing (Sec. 29, T. 26 N., R. 105 W.) and continues to Fort Bridger, Wyoming (Sec. 33, T. 16 N., R. 115 W.). It crosses the Green River at Lombard Ferry (Sec. 8, T. 22 N., R. 109 W.) and Palmer Ferry (Sec. 16, T. 21 N., R. 109 W.).

The trail crosses mostly private land through the Eden Valley. It nearly parallels the Farson-Fontenelle highway on public lands to Lombard Ferry and Palmer Ferry. From the Green River, the route traverses a checkerboard land

ownership area to the Bridger Valley. It crosses the Hams Fork at Granger and follows the Blacks Fork through the Bridger Valley on private lands to Fort Bridger.

a. Management of Sites:

1) Site LF-1 Simpson's Hollow (Simpson's Gulch)

Management Actions. Mormon riders, under Lot Smith, captured a train of 23 wagons loaded with supplies for General Albert S. Johnston's army, then advancing on Utah. The wagons and all their contents were burned at this site. One of several noted events of the "Mormon War."

Simpson's Hollow will be identified with a BLM sign at the point where it is crossed by the trail. The site should be nominated to the National Register of Historic Places.

2) Site LF-2 Simpson's Gulch Interpretive Turnout

Management Actions. An interpretive sign should be erected at the proposed turnout. The sign will describe the "Mormon War" wagon train burning. Nearby emigrant campsites and gravesites will also be mentioned (see Site LF-1).

3) Site LF-3 Oregon Trail Interpretive Site

Management Actions. Interpretive and visitor facilities should be developed at this site. The turnout was recently completed by the Wyoming Highway Department. A low profile, interpretive sign should be erected adjacent to the parking area closest to the trail ruts. The sign should interpret the historical significance of all features related to the Oregon/Mormon and Pony Express Trails located between Simpson's Gulch and the Green River. This would include:

- Palmer Ferry Alternate of the Oregon Trail;
- Military telegraph line;
- The Kinney Cutoff;
- The Baker-Davis Road;
- The June 30 - July 2, 1847 Mormon Pioneer Party campsite;
- The Big Timber Pony Express station; and
- The main emigrant campsite northwest of Gasson Bridge

4) Site LF-4 Big Timber Station

Management Actions. A trading post at the junction of the Oregon/Mormon Trails and the Kinney-Slate Creek Cutoff. Field investigations will be conducted to precisely locate the site. Field data will be reviewed to determine the eligibility of this site for nomination to the National Register of Historic Places.

5) Site LF-5 Lombard Ferry

Management Actions. Lombard Ferry was the site of a ferry across the Green River. Public lands are adjacent to the river on either side. A roadside interpretive sign should be placed in the SE1/4 of Sec. 18, T. 22 N., R. 109 W. on BLM-administered land. The sign will interpret nearby Lombard Ferry and other nearby important historic sites. Examples include:

Oregon Trail fords and ferries;
Mormon Ferry;
Campsite of the 1847 Mormon Pioneer Party;
Green River Pony Express station; and
Original location of Jim Bridger's trading post.

6) Site LF-6 Martin's Station (Pony Express)

Management Actions. Field investigations will be conducted to precisely locate the site. Field data will be reviewed to determine the eligibility of this site for nomination to the National Register of Historic Places.

b. Management of Trail Segments:

This segment of trail, from the crossing of the Little Sandy to Fort Bridger, crosses a variety of land ownership patterns - mostly private to mostly public. From Farson to Interstate 80, most of the trail may be traveled, either on the trail itself or on adjacent improved roads and highways.

The BLM will not implement management measures that specifically encourage travel on the trail itself such as directional signing. The trail remains on public lands will not be closed to ORV use.

The BLM will not attempt to acquire easements or cooperative agreements in this segment.

c. Management Policy:

The Oregon/Mormon Trail Management Policy included elsewhere in this plan applies to this segment. It is anticipated that a number of management actions may be carried out in the future. Annual surveillance and monitoring of use is scheduled; ORV designations may be made. A protective corridor may be established or other measures outlined in the Oregon/Mormon Trail Management Policy. They include possible nomination of certain segments of the trail to the National Register of Historic Places. These would be determined, based on future field work.

4. Bridger Segment (Rock Springs District)

From Fort Bridger, the Oregon Trail courses generally northwest over Bigelow Bench. From this bench, the trail turns generally north and drops down into

the Big Muddy Creek drainage. Some excellent ruts are located on the slope of the bench and into bottoms, especially as the Trail approaches the Carter Cedars. As the Trail passes the Carter Cedars, the Trail swings west then north and enters the Little Muddy Creek drainage. Upon approaching the Little Muddy, the Oregon Trail turns west to follow the south side of the drainage. The Black's Fork Cutoff meets the Oregon Trail here, but is found on the north side of the Creek. Fort Bridger lies 17 miles southeast of this point.

The Oregon Trail follows the Little Muddy Creek for about five miles and passes through Cumberland Gap, a local landmark formed where the Little Muddy cuts a pass through Oyster Ridge. West of Cumberland Gap, the Oregon Trail splits into several segments while crossing Cumberland Flats. A mile-long segment of the Oregon Trail in this area contains pristine trail evidence, consisting of undisturbed ruts, swales, rust-stained rock, and historic artifacts all in a generally unspoiled setting. Six to seven miles west of Cumberland Gap, these segments unite to follow either the east or north side of the Little Muddy, as it ascends towards the Bear River Divide.

Except for four miles north of I-80, this segment is located entirely within the checkerboard land ownership area. This segment contains approximately 18 miles of trail on public lands.

a. Management of Sites:

There are no historic sites of note on public lands along this segment. The BLM will pursue acquisition of the Ziller Ranch, just east of Cumberland Gap on the Oregon Trail. It is not known if the present landowner would be receptive to the idea of an exchange or sale. The possibility will be pursued. Management measures will not be developed for this site unless such an exchange or purchase was completed.

b. Management of Trail Segments:

The trail will be managed under the Oregon/Mormon Trail General Management Policy. No other specific actions are identified at this time. An example of the application of the General Management Policy is the use of the National Register of Historic Places as a management tool. Along this trail segment, as well as others in the network of trails in this plan, there may be sites or sections of trail ruts that, from time to time, are nominated or found eligible for nomination to the National Register of Historic Places. Oregon Trail ruts in the vicinity of the Carter Cedars is an example that may be evaluated for possible inclusion on the National Register. Vehicle use of this segment will be authorized, although specific management measures to encourage such use will not be implemented.

c. Management Policy:

No specific policy for this trail segment is needed.

5. Bear River Divide Segments (Rock Springs District)

The Bear River Divide segment of the Oregon Trail is one of the more difficult segments to describe in that there appears to have been several segments, routes, and variants allowing wagon passage over this divide. At present, the main route of the Oregon Trail is recognized as abandoning the Little Muddy and ascending first Chicken Creek, then present day Road Hollow Creek. After cresting the Bear River Divide, the trail goes west past Sand Knoll and drops down to North Bridger Creek. Two miles later, North Bridger Creek unites with Bridger Creek and the trail follows the north and east side of this creek as it courses northwest towards the Bear River Valley.

Other Oregon Trail variants east of the Bear River Divide include:

1. A variant that follows the headwaters of Chicken Creek directly to Bridger Creek;
2. An alternate route that follows the Little Muddy Creek to the Bear River Divide; and
3. A possible variant that leaves the Little Muddy Creek variant and runs along Fossil Ridge - really a three-mile long switchback - that unites with the main trail 1/2 mile north of Cercocapia Reservoir.

Several variants are found on the western side of the Bear River Divide:

1. A poorly understood trail segment associated with the headwaters of Spring Creek;
2. Two trail segments located near the head of Bridger Creek. These routes are the western extension of the Chicken Creek Trail and contain well-preserved trail ruts;
3. Three short (1 to 1 1/2 miles in length) alternates descending the Divide near Cercocapia Reservoir that lead to the North Bridger Creek "Main Trail;"
4. A variant branching off the "Main Trail" north of Sand Knoll that follows an unnamed creek for five miles north of, and then uniting with the Bridger Creek "Main Route" near where the creek enters the Bear River Valley; and
5. Finally, a possible variant, largely deviating from those routes described above, merits discussion. Reference to this variant is found in the Oregon Trail Cultural Resource Study prepared by the Idaho State Historical Society (1981, p. 277, 280). The route leaves the main trail about two miles east of Sand Knoll and runs north for about seven miles along the eastern uplands of Collette Creek. This route then crosses Twin Creek and appears somewhat obliterated for about 1.5 miles, until 1 mile south of Gooseberry Spring. Here, the route divides and runs east and west of a large hill and reunites again near the headwaters of Antelope Creek. The trail then follows the north side of Antelope Creek for four miles and connects with the main Oregon Trail northeast of the present-day community of Beckwith.

In the Bear River Valley proper, roughly from west of Eli Hill northwards for about 25 miles to Cokeville, the Oregon Trail parallels present-day US Highway 89/30 along the east side of the Bear River. North of Cokeville, the trail continues its northward passage through "The Narrows." Beyond this point, one Oregon Trail variant continues along US Highway 30/89 to Border Junction, where it turns west and leaves the state in the south end of the Thomas Fork Valley. Another variant is identified as crossing the Bear River just east of Anderson Hill where the trail picks up the Union Pacific Railroad R/W and exits the state south of the Bear River.

a. Management of Sites:

No known historic sites of note are found along these segments on public lands managed by the BLM.

b. Management of Trail Segments:

An interpretive sign is planned for the Oregon Trail west of Cumberland Gap, up Little Muddy Creek. This sign shall describe the difficult ascent up and over the Bear River Divide and indicate the route of the trail in the area. Another interpretive sign is planned for the Bear River Divide road where the trail crests the high ridge. This interpretive sign shall be more extensive in nature, as a panoramic view is attained in various locales. A small parking turnout should also be planned, as vehicle traffic does occur on the Bear River Divide Road. Many trail segments are only accessible by foot off of the ridge as the steepness of the terrain precludes vehicle use. A final interpretive sign (exact location presently undetermined) should be planned for the Oregon Trail north of Cokeville, explaining trail passage in the Bear River Valley.

There is much to be learned about the route alternatives in the Bear River Divide area. During the 1985 field season, Exxon will be conducting a survey of all possible trail remains. Their work will include literature search as well as field work. The objective will be to identify important trail alternatives and others with little or no importance. Trail routes that can be verified and which have physical remains will receive protective management. Others not found to either be important or which have no physical remains will not be protected.

Oil and gas development will continue in the Bear River Divide area and will, no doubt, continue to affect the trails.

The Bear River Divide trail segments from the Little Muddy Creek to Highway 89 are recommended for 4-wheel drive vehicles or foot and horseback travel.

The BLM will attempt to acquire a public easement along the trail from Cumberland Gap to the beginning of the Bear River Divide segment in Sec. 3, T. 19 N., R. 118 W. Easements will also be acquired across state lands in Sections 16 and 36, T. 20 N., R. 119 W., Section 5, 8, 9, and 16, T. 20 N., R.

120 W., and Sections 26 and 35, T. 21 N., R. 120 W. This would make available a public travel way from the Idaho State line to Cumberland Gap north of Fort Bridger. The travel way will follow the primary route of the Oregon Trail.

Field studies and archival research will be conducted to determine the location and importance of the numerous trail remnants in this segment of the Oregon Trail. This work will help the BLM identify appropriate management measures and the degree of protection these segments should receive.

The Bear River Divide segment is a designated National Historic Trail Segment, located largely on public lands between Little Muddy Creek and Highway 89. This area should receive routine monitoring by resource area personnel. Problems resulting from use of the area should be dealt with quickly.

The portion of the segment from Little Muddy Creek to Highway 89 should be placed in a protective corridor as per the Oregon/Mormon Trail General Management Policy.

The area should receive an ORV designation of "limited;" motor vehicle use should be limited to existing roads and vehicle routes.

c. Management Policy:

Development of a specific policy for management of this segment is not necessary. This segment will be managed under the Oregon/Mormon Trail General Management Policy.

6. Mormon/California Trail Segment (Rock Springs District)

From Fort Bridger, the Mormon Trail is identified as a 2-track that passes just south of Bridger Butte. At Bridger Butte, the Trail divides into two segments, a northern route and a southern route. These routes reunite east of Aspen Mountain, and will be discussed separately. The northern variant turns west from Bridger Butte, passes Bigelow Springs, descends Bigelow Bench and crosses Muddy Creek one mile north of Meyers Ridge. The trail then follows Sods Hollow southwest. The northern route splits again with an alternate following Antelope Creek west and then a tributary southeast around a dominant ridgespur while another alternate ascents the ridge and follows the crest southwest towards Aspen Mountain.

The southern variant leaves Bridger Butte and follows Cottonwood Creek to the south of Myers Ridge. This southern route crosses Little Creek and Muddy Creek in quick succession, then follows the south bank of Piedmont Creek for three miles. This variant then crosses to the north side of Piedmont Creek, and follows this drainage until uniting with the north variant some 3 1/2 miles west. Aspen Mountain is reached about two miles further.

From Aspen Mountain, the Trail passes Altamont, follows Stowe Creek for a couple of miles, and crosses a gap in Oyster Shell Ridge to drop down to Sulphur Creek and Beartown. Here, the trail veers northwest and crosses the

Bear river. The Trail then follows Stagecoach Hollow to Coyote Creek and follows the north side of this creek to a local landmark called "The Needles." The Trail passes through the narrow gap at "The Needles," turns northwest, crosses Yellow Creek, and exits the state of Wyoming in the vicinity of the old Needle Rock Station.

This trail segment lies mostly on private and state land. The public lands along this segment are found in scattered parcels only. The longest segment of trail on public lands is just over a mile long. A total of approximately 10 miles of Mormon-California trail is found on public lands in this segment.

a. Management of Sites:

Three interpretive signs should be planned for this trail segment. The first will be placed on public land between Bridger Butte and Bigelow Ditch and will identify the nearby trail as the Mormon-California Trail; not the Oregon Trail. The second will be located near Piedmont and will describe the various historic sites in the Area (Aspen Tunnel, stage stations, Brigham Young's Well, etc.). A final site will be put near "The Needles," a local landmark near Needle Rock Stage Station and the present-day Wyoming-Utah State line. This sign will describe the trail in the vicinity, Bear River crossing, etc.

b. Management of Trail Segments:

This segment of trail will be managed under the Oregon/Mormon Trail General Management Policy.

c. Management Policy:

No specific management policy is necessary for this segment. Two parcels of public land that include the north and south "Needles" will be retained in their existing condition in federal ownership.

7. Seminole Cutoff (Rawlins District)

The Seminole Cutoff is located south of the Sweetwater River, beginning southeast of Sweetwater Station and ending at Burnt Ranch. A variant of the Seminole Cutoff continues west and rejoins the primary route of the Oregon Trail near Twin Mounds. The Seminole Cutoff had the advantage of avoiding the last four crossings of the Sweetwater River.

a. Management of Sites:

Site SS-9 Seminole Cutoff Parting (also mentioned in Sweetwater/South Pass Segment)

Management Actions. The BLM will install an interpretive sign, identifying the Parting of the Seminole Cutoff with the primary Oregon/Mormon Trail route.

b. Management of Trail Segments:

The Seminole Cutoff will be managed as a trekking route. The BLM will make no special effort to advertise that fact, but will implement measures to ensure public access along its length from near Sweetwater Station to near South Pass.

To accomplish this, the BLM will attempt to acquire public access across state and private lands along the cutoff and to retain existing easements previously acquired by the BLM.

The BLM will retain the following public easements across private lands:

SW1/4SE1/4 Sec. 19, N1/2NE1/4 Sec. 30, T. 28 N., R. 98 W.
W1/2 Sec. 24, E1/2NE1/4 Sec. 23, T. 28 N., R. 99 W.

The BLM will attempt to acquire easements across state and private lands. Normal easements would be roughly 50 to 80 feet on either side of the trail center line. The exact width would be negotiated.

Easements would be needed across the following private lands:

Section 15, T. 29 N., R. 95 W.
Section 25, T. 29 N., R. 96 W.
Section 3, T. 27 N., R. 100 W.
Section 4, T. 27 N., R. 100 W.

Easements would be needed across the following state lands:

Section 16, T. 29 N., R. 95 W.
Sections 14, 15, T. 28 N., R. 97 W.
Section 24, T. 28 N., R. 98 W.
Section 36, T. 28 N., R. 100 W.

Should the BLM or other public agencies acquire the private lands at Burnt Ranch (Sec. 26, T. 28 N., R. 100 W.), the public trekking route would lead to Burnt Ranch, then west on the primary route of the Oregon/Mormon Trails.

The trekking route will not be improved, graded, drained, or repaired with mechanical equipment to facilitate motor vehicle use except where it has previously been improved by such means.

The Seminole Cutoff should be included in a protective corridor as outlined in the Oregon/Mormon Trail General Management Policy.

The Seminole Cutoff should be included in the Oregon/Mormon Trail brochure or the BLM should develop a separate map/brochure for this cutoff.

The Seminole Cutoff will be marked with 6"x6"x6' wooden sign posts. One side of the post will say Oregon Trail, a second will say Seminole Cutoff.

c. Management Policy:

The Seminoe Cutoff will be managed according to the guidelines in the Oregon/Mormon Trail General Management Policy. No specific policies are needed for the Seminoe Cutoff.

8. Lander Road (Cutoff) (Rawlins/Rock Springs District)

The Lander Road is unique among the major emigrant routes in Wyoming in that it was the only federally subsidized emigrant wagon road project of the area. The Lander Road was designed to provide a route of travel with abundant grass, water, and timber resources generally scarce along the routes to the south.

The Lander Road diverges from the main route of the Oregon Trail at Burnt Ranch, the site of the final crossing of the Sweetwater River. The road heads northwest, then west, across gently rolling upland, in the process crossing several small creeks. Approaching the Sweetwater, the route enters an area of broken topography and then makes a steep descent to cross the river. Turning northwest, the trail crosses to the west bank of Lander Creek and parallels this creek nearly to its headwaters at the Continental Divide. The road crosses the Divide in a low spot between Lander Creek and the Little Sandy River, crosses the Little Sandy, and then runs northwest across upland to the Big Sandy River. After paralleling the south side of the Big Sandy for several miles, the Trail crosses the river at Buckskin Crossing.

After the Buckskin Crossing of the Big Sandy, the Lander Road runs straight northwest for some seven miles across the flats of South Muddy Creek. At the crossing of the Speedway Road, it then turns west and begins a ten mile stretch to Alkalai Creek. The route follows the Alkalai Creek or a tributary for a number of miles, then veers slightly southwest to cross the New Fork River. From the crossing of the New Fork River, it ascends the southern portion of "The Mesa," and travels about 5.5 miles to the Green River crossing. It then crosses the Green River in a broad valley at a relatively shallow location. Here, the river could be forded and no ferry was utilized.

West of the Green River, the road ascends an intermittent drainage and runs generally west-southwesterly to cross Muddy Creek about two miles north of Marbleton. From here to a dominant butte on the south side of North Pine Creek, it traverses Meadow Canyon Swale, and crosses North Piney Creek on the southeast side of the butte. Then, it trends southwesterly across the Ruben Oil Field, passing south of Deer Hill and Sand Hill, and crosses Middle Piney Creek. Trending west-southwesterly, the road then crosses Fish Creek 1/2 mile north of its junction with South Piney Creek, and enters the South Piney Creek valley. The road then follows South Piney Creek upstream, where it enters the Bridger National Forest between Riley Ridge and North Mountain.

a. Management of Sites:

1) Site LC-1 Highway 28 Crossing

Management Actions. This highway interpretive sign, developed cooperatively by the BLM and the Sublette County Historical Society, should be maintained and managed as at present. The interpretive sign should be repaired and painted routinely to prevent deterioration.

2) Site LC-2 Buckskin Crossing

Management Actions. The BLM and the Sublette Historical Society will cooperatively maintain the existing interpretive sign at Buckskin Crossing. No additional development is warranted. The sign should receive regular maintenance.

The BLM will pursue an agreement with the landowner in the Buckskin Crossing area to continue to allow limited public access to the trail.

3) Site LC-3 Historical Monuments

Management Actions. These monuments, located on public lands in Sections 2 and 12, T. 30 N., R. 106 W., should be maintained in their present condition. No additional development at these monument locations is warranted at this time.

4) Site LC-4 New Fork Crossing

Management Actions. The BLM will install an interpretive sign at the point where the Lander Cutoff crosses the New Fork River.

5) Site LC-5 Green River Crossing

Management Actions. An interpretive sign will be installed at the point where the Lander Cutoff crosses the Green River.

6) Site LC-6 Deer Hills

Management Actions. An interpretive sign will be installed adjacent to the Lander Cutoff in the Deer Hills.

b. Management of Trail Segments:

The guide to the Lander Road/Oregon Trail needs to be reprinted with minor modifications. The modification would include showing segments of the trail which can be driven on by motor vehicles. The guide will be used to inform the public of opportunities and limitations associated with visiting sites and traveling portions of the Lander Road. The Lander Road will remain open for travel by motor vehicles.

The BLM will develop a cooperative working agreement with the Sublette County Historical Society to coordinate marking and management of the Sublette Cutoff on public and private lands.

Conduct a trail inventory of the Lander Road to determine the location existence and significance of sites and trail segments along the Lander Road. These inventory data will be used to refine management actions in the future.

c. Management Policy:

No specific management policy will be developed exclusively for the Lander Road. This road will be managed according to the guidelines in the Oregon/Mormon Trail General Management Policy.

9. Sublette Cutoff (Rock Springs District)

The most popular and heavily used emigrant cutoff was the Sublette (sometimes called the Greenwood). This cutoff was originally blazed and used by William Sublette in 1832 as a direct route to move his supply wagons to the Snake River country for the fur trappers rendezvous. Emigrant use of the cutoff began in 1844 as an alternative to traveling the traditional Oregon Trail that dipped far south of the Sublette to utilize Fort Bridger. The popularity of the cutoff grew as the California Gold Rush drew thousands of pioneers west to seek their fortunes. By using the cutoff, the 49ers were able to shave five to seven days from the arduous way west.

The Cutoff's popularity continued through the 1850s; however, as the gold petered out in California, so did the heavy emigrant travel across the Sublette Cutoff. By 1869, the transcontinental railroad was completed and a gradual shift from covered wagons to railroad travel occurred. Nonetheless, wagons continued to roll across the Sublette Cutoff to California and Oregon until after 1900. The last known covered wagon to traverse the Sublette was in 1912.

The Sublette Cutoff extends from Parting-of-the-Ways in north-central Sweetwater County to the town of Cokeville in western Lincoln County. It crosses the Big Sandy north of the town of Farson and heads west near the north boundary of Sweetwater County to the Green River. It crosses the Green River north of Fontenelle Reservoir and heads southwest into Lincoln County. The trail crosses the Hams Fork and turns northwest, crossing the Hams Fork Plateau north of Fossil Butte National Monument and rejoins the primary route of the Oregon Trail at Cokeville.

a. Management of Sites:

1) Site SU-1 Lucinda (Linda) B. Wright Grave

Management Actions. The grave should be marked with a small, low profile BLM sign. The sign would identify the grave as an 1853 emigrant gravesite and, as such, would contribute to its protection. The site will be monitored annually. Additional management measures are not warranted at present.

2) Site SU-2 Green River Crossings

Management Actions. An interpretive sign should be erected at the mouth of Steed Canyon, the point where the original route of the Sublette Cutoff crosses the Green River. This was a major ford/ferry site and is located on BLM-administered public land. Two other ferries are documented but are on private land or destroyed by modern structures. The proposed site for the interpretive sign retains good integrity of setting although an improved oil field road runs across the canyon mouth. The road also provides convenient access to the site.

About 500 feet north of the ferry site, dozens of emigrants inscribed their names and dates of passage onto the sandstone cliffs bordering the river. Natural erosion continues to erase many of the inscriptions but vandalism is not a problem at present. The inscriptions should be scientifically recorded prior to placing the interpretive sign. The sign should be placed off the west side of the oil field road so that visitors look directly west down the trail route across the river when viewing it.

The site should also be nominated to the National Register of Historic Places.

3) Site SU-3 Holden Hill

Management Actions. Holden Hill is a narrow canyon between the Green River and Fontenelle Creek. It was used by emigrants to record names and points of origin on the canyon walls. Shows no evidence of vandalism. This pristine historic site needs protection to ensure that it is not damaged or vandalized in any way. To adequately protect it, the lands within a protective corridor around the trail should be withdrawn from mineral entry. The trail ruts will be closed to all ORV use. No recreational development will be done at the site and public access will not be acquired. Efforts will be made to stabilize some of the sandstone cliffs which are deteriorating. The site will be nominated to the National Register of Historic Places.

4) Site SU-4 The Pine Grove

Management Actions. A trailside interpretive sign should be installed to identify the site and describe its importance as an emigrant campsite. This historic emigrant campsite should be placed on the National Register of Historic Places.

5) Site SU-5 Rocky Gap

Management Actions. A trail side interpretive sign should be installed at this point to identify Rocky Gap and to mark the beginning of Dempsey-Hockaday Cutoff.

6) Site SU-6 White Hill

Management Actions. An interpretive sign should identify this as the site of an Indian massacre and wagon burning.

7, Site SU-7 Nancy Hill and Alfred Corum Gravesites

Management Actions. The Hill and Corum Gravesites are located on Hams Fork Plateau in a fenced area with a number of other graves. Both the death and grave of these individuals are well documented. The Alfred Corum grave should have an interpretive sign installed. The Nancy Hill gravesite should be managed as at present, with the interpretive sign and fence. Fencing of either gravesite should be commensurate with the needs; if a chain link fence is needed to protect the site and prevent vandalism of the grave, that should be installed. These sites should be nominated to the National Register of Historic Places.

8) Site SU-8 Emigrant Spring (Dempsey Ridge)

Management Actions. Emigrant Spring was an important camping place near the point of merger of the Slate Creek Cutoff with the Sublette Cutoff. Several emigrant graves and a stone marker are located there. The existing sign should be retained, telling of the significance of the site and identifying it as an important campsite. The site should be considered for location of picnic facilities. Prior to development, the site should be adequately surveyed and recorded. This site should be examined for possible nomination to the National Register of Historic Places.

b. Management of Trail Segments:

1) Segment 1, Westfall Hollow Segment

The Westfall Hollow Segment is proposed for formal road closure because of the 1/2 mile of pristine ruts found there. The western end is formed by the right-of-way fence of State Highway 233 (the Hams Fork road) and is not now conducive to vehicle passage due to a combination of right-of-way fences and a large stock pond. In other words, the western end of the Westfall Hollow segment is "naturally closed" to vehicles. The pristine trail ruts include a frequently dense stand of mature big sagebrush that makes vehicle passage nearly impossible. Vehicle passage becomes more feasible at the eastern edge of the segment but then a drainage has cut a 10-foot deep arroyo into the present ground surface. Thus, both ends of the 1/2-mile segment containing pristine ruts contain natural vehicle passage inhibitors and a formal road closure here should present no undue hardship to the public.

2) Segment 2, The Rock Slide Segment

The Rock Slide segment of the Sublette Cutoff is located on the Hams Fork Plateau, northwest of the Emigrant Springs campsite in Sections 21, 28, and 29, T. 23 N., R. 118 W. (public land). Gardner (1983, pp. 22-25) provides a good description of the Rock Slide and the descent/ascent of the Rock Creek drainage. The steepness of the descent drew comments from several emigrants and resulted in establishing a northern variant that bypassed the Rock Slide. The descent to Rock Creek near the rock slide today represents a unique, isolated, pristine trail segment worthy of special protective measures. A formal road closure is proposed. The trail route in the vicinity of the rock slide is virtually impassable with 4x4 vehicles and the trail is "naturally closed" to vehicle passage. Access to public lands will not be affected by the road closure so negative public comment is not expected.

3) Segment 3, Fontenelle Creek to Rocky Gap

This trail segment is recommended for 4x4 travel only due to rugged terrain. Vehicle travel should be limited to existing vehicle routes.

4) Segment 4, Rocky Gap to Hams Fork

This trail segment is recommended for 4x4 travel. The Westfall Hollow portion is closed to ORV use (see above). Travel is limited to existing vehicle routes.

5) Segment 5, Hams Fork Plateau

This portion of the Sublette Cutoff is accessible by 2-wheel drive vehicle. Visitor use of the segment is encouraged. High ground clearance vehicles are recommended. The Rock Slide portion is closed to ORV use (see above). Travel will be limited to existing vehicle routes.

c. Management Policy:

The BLM will develop and distribute a trail user brochure for the Trail's Sublette Cutoff. It will be designed to be used by persons and groups interested in touring the trail and by industrial firms working in the area. For additional information, refer to the Oregon/Mormon Trail General Management Policy.

It will be the policy of the Rock Springs District that the Sublette Cutoff will be available for recreational use including vehicle driving, foot travel and horseback travel, except for the segments designated closed to ORV use. Those segments will be available for foot or horseback travel only.

10. Kinney Cutoff (Rock Springs District)

The Kinney Cutoff was a short segment of trail, approximately 20 miles in length, running from the primary route of the Oregon/Mormon Trails to the Slate Creek Cutoff just south of Fontenelle Reservoir on the Green River. All historical sources agree that the Kinney Cutoff runs along the banks of the Green River, but problems arise in attempting to define a single exact route.

Many trail authorities and a number of diaries indicate that the Kinney diverges from the Oregon Trail at a point one to three miles east of Lombard Ferry, travels west over dissected terrain to the east bank of the Green. It continues northwest along the east bank, traversing relatively flat terraces for about ten miles. The route then pulls away from the river, skirting low hills prior to converging with the Slate Creek Cutoff at the Case-Davis crossing of the Green River.

a. Management of Sites:

No historic sites have been identified along the Kinney Cutoff.

b. Management of Trail Segments:

No complete on-the-ground reconnaissance of the various routes of the Kinney Cutoff has been conducted, so the location of all significant trail remains has not been determined. Such a survey should be initiated as soon as possible.

An interpretive sign should be placed near the intersection of the lower Farson Cutoff county road. The sign would interpret the general route and function of the Kinney Cutoff. The exact location of the sign should be selected to maximize viewscape. The sign should interpret the historical significance of the cutoff and should mention the historic ferry sites to the west and south. The sign should also mention the Dodge Suspension Bridge, a structure that was built at the historic ferry site in the early twentieth century and that was of great importance to the local ranching industry.

Should public demand for trekking on the Kinney Cutoff materialize in the future, the BLM will seek public access agreements along one or more of the route variants. The route can be approximately retraced on the east side of the Green River along the Farson Cutoff road and along the west side of the Green River along State Highway 372.

c. Management Policy:

No specific management policy will be developed for the Kinney Cutoff. This route will be managed according to the guidelines in the Oregon/Mormon Trail General Management Policy.

11. Slate Creek Cutoff (Rock Springs District)

The Slate Creek Cutoff was developed around 1852 in response to the need for a route that would avoid the dry and dangerous Sublette Cutoff that crossed the Little Colorado Desert, yet which would shorten the route to Oregon by bypassing the loop to Fort Bridger. The Slate Creek trail left the Bridger Route of the Oregon Trail several miles west of what was to become the Big Sandy Stage Station. It proceeded north of the Blue Forest and dropped down to the Green River at Robinson's Ferry near present day Fontenelle. It then meandered along Slate Creek until it joined the Sublette Cutoff near Emigrant Springs. While this route would have been a day or so longer than the Sublette Cutoff, it would save several days over the Bridger Route. Between its division with the Bridger Route and its arrival at the Green River, the Slate Creek is 20 miles long.

The Slate Creek Cutoff diverges from the main (Fort Bridger) route of the Oregon Trail west of the Big Bend of the Big Sandy; this location is about a mile west of both the Big Timber Pony Express Station and the point where the Oregon Trail alternate forks south to cross the Sandy. The Slate Creek Cutoff heads northwest across flat, brush covered plains dotted with dry lake beds. Continuing in this direction, the trail crosses fields of sand dunes and areas of low badlands, finally turning straight west and heading between high badland buttes. Still proceeding west, the final miles to the Green are characterized by gently rolling to flat topography. The cutoff crosses the Green at a point just downstream from modern Fontenelle Dam. The entire route from the Big Bend to the Green lacks topographic obstacles, steep grades, and permanent water of any type.

From the Green River crossing, the trail proceeds west, passing just north of Slate Creek Butte, and follows the south side of Slate Creek proper. About 10-1/2 miles west of the Green, the trail crosses over to the north side of Slate Creek, and begins to follow the high sandstone bluffs west, rather than the drainage bottom. After an additional eight miles, the trail veers northwest and drops down to a dry tributary of Emigrant Creek to Emigrant Springs, a major emigrant camp along the Slate Creek Trail. From Emigrant Spring, the trail follows Emigrant Creek for 1-1/2 miles, and trends northwest to begin the ascent of Slate Creek Ridge. From an altitude of 7,060 feet at Emigrant Spring, the trail ascends to 7,832 feet above sea level, with a rise of about 400 feet per mile. The trail descends from the ridge, crosses the North Fork of Slate Creek (at 7,400 feet) and proceeds west northwest for 1-1/2 miles and unites with the Sublette Cutoff at Rocky Gap. Rocky Gap is recognized as the western terminus of the Slate Creek Trail.

a. Management of Sites:

1) Site SL-1 Parting with Main Trail

Management Actions. The BLM will place an interpretive sign at the parting of the Slate Creek Cutoff with the main route of the Oregon/Mormon Trail. It will identify the site as the parting of the two routes and interpret the significance of the cutoff.

2) Site SL-2 Case-Davis Ferry Site

Management Actions. The Case-Davis Ferry site is on public land administered by the Bureau of Reclamation. No management actions are envisioned at this time. Future actions may involve BLM management through transfer of management responsibility from the U.S. Bureau of Reclamation to the BLM.

3) Site SL-3 Emigrant Spring (Slate Creek)

Management Actions. A portion of this site lies on a 40-acre private parcel of land. The landowner has expressed a desire to have his portion of the emigrant inscription site in federal ownership and protective status. We propose to acquire the tract (SW1/4NW1/4 Sec. 13, T. 23 N., R. 115 W.) through land exchange for a yet to be identified parcel of public land.

D. Administration

Work Month Costs/Year

<u>Responsible Resource Area</u>	<u>Workmonths</u>
Platte River Resource Area	1
Lander Resource Area	2
Big Sandy Resource Area	2
Kemmerer Resource Area	2
Pinedale Resource Area	$\frac{1}{8}$
TOTAL	8

The above workmonths would be used for monitoring trail use, handling use permits, use supervision, handling public contacts, and performing light maintenance.

Planning and Coordination

<u>Responsible District</u>	<u>Workmonths</u>
Rawlins District	2
Rock Springs District	2
Casper District	$\frac{1}{5}$
TOTAL	5

The above workmonths would be used for management planning updates, project planning (site development, maintenance), and coordination of trail management with the BLM State Office, the three districts, the State of Wyoming, and private groups and organizations.

Maintenance

<u>Assignment</u>	<u>Workmonths</u>
Develop & monitor maintenance contracts	1
Maintain signs & trail markers	3
Sign installation	$\frac{3}{7}$
TOTAL	7

TOTAL workmonth cost/year 20

These 20 workmonths would be allocated to a seasonal employee in each of the three BLM districts, existing personnel in the respective divisions of Operations, and existing personnel in the respective divisions of Lands and Renewable Resources.

V. IMPLEMENTATION PHASING AND COSTS

This plan covers some 50 historic sites and over 315 miles of historic trail on the public lands in the state of Wyoming. It will require a long-term commitment as problems and challenges associated with management of the Oregon and Mormon Trails will continue to exist.

Full implementation of this plan will be expensive. It will take a number of years before full implementation can occur. Funds in the recreation and cultural resources budgets are limited. Implementation of this plan will be tied to fiscal years, but to ensure the plan does not become obsolete, project funding not received in a fiscal year will carry over to the next fiscal year.

The following table contains the implementation actions and costs for the first five fiscal years.

SITE/SEGMENT NAME	SITE/SEGMENT NUMBER	MANAGEMENT ACTION	DOLLARS PLANNED BY FY				
			FY86	FY87	FY88	FY89	FY90
Fort Laramie A	TIR-1	Directional Signs Parking Area Foot Trail Interpretive Signs	50	2,000 1,250 800			
Fort Laramie B	TIR-2	Directional Signs	50				
Bessemer Bend	TIR-3	Picnic Ramada Picnic Tables Shade Trees Two Acre Acquisition	2,000	10,000 1,800			10,000
Emigrant Gap	TIR-4	Parking Area Interpretive Sign				2,000 400	
Horse Creek	TIR-5	Directional Signs	50				
Old Bedlam	TIR-6	Parking Area Directional Signs Interpretive Signs Foot Trail	50		2,000 400 1,000		
Platte Island Trail	CR-1	Interpretive Sign	50				
Sergeant Custard	TIR-7	None					
Glade Draw	TIR-8	Interpretive Sign	50				
Ryan Hill	TIR-9	Directional Sign Parking Area Interpretive Sign Scenic Overlook Foot Trail	50 2,000 400 200 600				
Devil's Gate	SS-1	None					
Devil's Gate Historic Site	SS-2	Interpretive Signs (Permaloy)			14,000		
Martins's Cove	SS-3	Interpreted at SS-2					
Astorian Camp	SS-4	Interpreted at SS-2					
Split Rock	SS-5	None					
Split Rock Pony Express Station	SS-6	None					
Split Rock Interpretive Site	SS-7	Interpretive Signs (Permaloy)			12,000		
Three Crossings	SS-8	Interpreted at SS-7					
Ice Slough	SS-9	None					

SITE/SEGMENT NAME	SITE/SEGMENT NUMBER	MANAGEMENT ACTION	DOLLARS PLANNED BY FY					
			FY86	FY87	FY88	FY89	FY90	
Seminole Cutoff Parting	SS-10	Directional Sign	50					
Rocky Ridges	SS-11	Directional Sign	50					
Oregon Trail Withdrawal	SS-12	360 acre Withdrawal			5,000			
Radium Springs	SS-13	Structure Stabilization	2,000					
Willie's Handcart Disaster	SS-14	None						
Burnt Raach	SS-15	240 acre Exchange Interpretive Signs						15,000 1,000
East of Devil's Gate	Seg. 1	None						
Jackson Lake to Split Rock	Seg. 2	0.5 mile Easement		10,000				
Twin Mounds	SS-16	Interpretive Sign		600				
South Pass	SS-17	Interpretive Sign	500					
Oregon Buttes	SS-18	Interpretive Sign	500					
Pacific Springs	SS-19	Access Use Agreement Structure Stabilization Interpretive Signs			15,000		5,000 1,000	
South Pass Exhibit	SS-20	Interpretive Sign		600				
Pioneer Grave	SS-21	None						
Plume Rocks	SS-22	Interpretive Sign		500				
Dry Sandy Crossing	SS-23	40 acre Land Exchange Interpretive Signs		10,000		1,000		
Parting of the Ways	SS-24	Interpretive Signs	1,000					
Little Sandy Crossing	SS-25	1/2 mile Easement Interpretive Signs		10,000		600		
Dry Sandy Swales	Seg. 3	Interpretive Signs	1,000					
Simpson's Hollow	LF-1	Trail Crossing Sign		250				
Simpson's Gulch Interpretive Site	LF-2	Interpretive Sign		500				
Oregon Trail Interpretive Site	LF-3	Interpretive Signs Foot Trail	1,000 1,500					

SITE/SEGMENT NAME	SITE/SEGMENT NUMBER	MANAGEMENT ACTION	DOLLARS PLANNED BY FY					
			FY86	FY87	FY88	FY89	FY90	
Big Timber Station	LF-4	Field Location Invest.						3,000
Lombard Ferry	LF-5	Interpretive Signs	1,500					
Martin's Station	LF-6	Field Location Invest.						3,000
Ziller Ranch	Bridger Segment	10 acre Land Exchange					10,000	
Bear River Divide Segment		Easement Interpretive Signs					10,000	
Mormon/California		Interpretive Signs		1,500				
Highway 28 Crossing	LC-1	Interpretive Sign		1,000				
Buckskin Crossing	LC-2	None						
Historical Monuments	LC-3	None						
New Fork Crossing	LC-4	Interpretive Sign				500		
Green River Crossing	LC-5	Interpretive Sign				500		
Deer Hills	LC-6	Interpretive Sign					500	
Lander Road		Reprint Guide		2,000				
L.B. Wright Grave	SU-1	Interpretive Sign				500		
Green River Crossings	SU-2	Interpretive Signs		1,000				
Holden Hill	SU-3	Cliff Stabilization Protective Fencing Mineral Withdrawal				5,000 3,000		3,000
The Pine Grove	SU-4	Interpretive Sign					500	
Rocky Gap	SU-5	Interpretive Sign				500		
White Hill	SU-6	Interpretive Sign						500
Hill and Corum Graves	SU-7	Interpretive Sign			600			
Emigrant Spring (Dempsey)	SU-8	Parking Area Picnic Tables		2,500 3,000				
Westfall Hollow		None						
The Rock Slide		None						
Fontenelle Creek/ Rocky Gap		None						

SITE/SEGMENT NAME	SITE/SEGMENT NUMBER	MANAGEMENT ACTION	DOLLARS PLANNED BY FY					
			FY86	FY87	FY88	FY89	FY90	
Rocky Gap/Haws Fork		None						
Haws Fork Plateau		None						
Kinney Cutoff		Interpretive Sign			500			
Slate Creek Parting	SL-1	Interpretive Sign			500			
Case-Davis Ferry	SL-2	None						
Emigrant Spring	SL-3	40 acre Land Exchange Cliff Inscription Stabilization Parking Area Directional Signing Interpretive Signing			5,000	10,000		3,500 500 1,500
Johnston Scout Rocks	SL-4	Stabilization/Recordation Protective Fencing Interpretive Sign		3,000 1,500 600				
Slate Creek Cutoff Terminus	SL-5	Interpretive Sign			500			
Dempsey-Hockaday Cutoff		Interpretive Signs			2,500			
Blacks Fork Cutoff		Interpretive Sign Field Location Investigation				600		2,500
Trail Posts for Cutoffs	All	6"x6"x6" Treated Posts	3,000	2,000	2,000	1,000		1,000
TOTAL FUNDING BY FISCAL YEAR			\$17,650	\$93,000	\$46,000	\$44,000	\$41,500	

APPENDIX I

HISTORICAL OVERVIEW OF THE

OREGON/MORMON PIONEER NATIONAL HISTORIC TRAIL ROUTES

The following historical overview of the Oregon and Mormon Trails was written for the Wyoming Recreation Commission by Robert Rosenberg, a historian employed by Cultural Research and Management, Inc. It provides an excellent historical overview of the great migration along the Oregon and Mormon Trails to Oregon, California, and the Great Basin. It is used here with permission from Gary Stephenson, State Trails Coordinator with the Wyoming Recreation Commission.

"The Oregon Trail, designated a National Historic Trail by Congress in 1978, was the principal travel corridor for the great 19th century westward migration to the Pacific Coast. The trail completely traverses the state of Wyoming from east to west, and numerous trail-related sites, landmarks, and pristine trail segments still remain. The Oregon Trail was originally blazed by legions of fur trappers and traders who were following the well-worn trails of the Native American Indian. The fur trappers discovered South Pass, the principal mountain gateway for the coming migration, and proved the trail's applicability to wagon travel. Missionaries followed the fur trappers along trails west to live among the Indians, attempting to Christianize and 'civilize' them. Emigrants followed, at first a trickle, bound for Oregon to escape social upheaval, poverty, depressed farm prices, and to find a place to start anew. These early settlers helped tip the balance in favor of American acquisition of Oregon from England in 1846, maintaining the nation's steady growth westward to the Pacific Ocean. The Oregon Trail became the chief central route across the trans-Mississippi West, carrying the beginning of the Mormon migration to the Salt Lake Valley in 1847 and the hordes of gold seekers to California in 1849. The migration hastened the demise of the culture of the Native American Indian through military suppression and the reservation system. In addition to emigrant travel, the Oregon Trail corridor became the route for the first transcontinental telegraph, the Pony Express, and the federal overland mail. It was along this corridor that gold was discovered at South Pass, and men learned that livestock could successfully winter over on the high plains grasses of Wyoming. The Oregon Trail, then, helped spawn two of Wyoming's most important industries; mining and ranching. This corridor, which included many cutoffs and variations and the associated north-south secondary transportation routes emanating from it such as the Bozeman and Bridger Trails, opened up the interior of Wyoming to eventual exploitation and settlement. It continued to serve as a main transportation artery even after the construction of the transcontinental railroad in 1869, carrying emigrants both east and west, cattle, sheep and horses from Oregon and California, and regional and local traffic into the early 20th century. The history of the Oregon Trail is a history of the settlement of the western United States and the fulfillment of the policy of Manifest Destiny as America expanded from shore to shore in the 19th century.

"The origins of the Oregon Trail can be traced to America's early interest in the Trans-Mississippi West as a result of the Lewis and Clark Expedition in 1804-1806, which explored the Louisiana Purchase obtained by the United States from France in 1803. Although their route was far to the north (from the headwaters of the Missouri River overland to the Columbian River) and was

unsuitable as a major emigration route, reports and journals published by the expedition drew the attention of the American people to a vast western region of virtually untapped and unlimited natural resources. It also established a claim for the United States that would prove valuable in later negotiations concerning the Oregon country, the early goal of the westward migration.

"Even before the return of the Lewis and Clark Expedition, large British fur companies had been attracted to the Northern Rockies in Canada and the Pacific Northwest. The Hudson's Bay Company and the Montreal-based North West Company were well established in the region before American fur trappers began exploiting the Louisiana Purchase. In 1810, John Jacob Aster, founder of the American Fur Company, conducted the first well organized assault upon the British dominance of the western fur trade. He dispatched two expeditions to the mouth of the Columbia River to establish the headquarters of an envisioned chain of trading posts stretching from the Great Lakes to the Pacific Ocean. The first expedition traveled by sea and founded the headquarters settlement of Astoria in April 1811. The second party was led overland by Wilson Price Hunt, who attempted to find a more southerly alternative to the route taken by Lewis and Clark, due to fear of the Blackfeet Indians. The party entered present-day Wyoming from the northeast corner near the great bend of the Belle Fourche River, continued southwesterly across the Bighorn Mountains and followed the Bighorn River southward. In the vicinity of Dubois, they found a well-worn Indian trail leading into the Wind River Mountains, crossing at Union Pass. They entered the upper Green River Valley in mid-September and left Wyoming via the Hoback River and Teton Pass.

"More important to American westward expansion was the expedition led by Robert Stuart in 1812. Traveling east from Astoria, Stuart entered the present confines of Wyoming via Teton Pass and descended the Green River after taking a circuitous route along the Bear River, Greys River, and back down the Snake, attempting to avoid a party of Crow Indians. A friendly Shoshoni had told Stuart about a better crossing of the Wind River Range to the south. Still attempting to elude a large Crow war party, he detoured south and crossed the Divide in the South Pass area. Stuart is generally credited with the discovery of that great gate of the westward migration. He continued east along the North Platte River, camping near Casper, Wyoming, and Scottsbluff, Nebraska. He not only discovered South Pass but traveled from west to east along a large portion of what would become the Oregon Trail.

"After its initial discovery, South Pass remained in obscurity until 1824 when it was 'rediscovered' by an Ashley party led by Jedediah Smith, who was looking for a westward crossing of the Wind River Range in winter. Thereafter, the pass was commonly used by mountain men and became well known to the general public. In 1830, Smith, David E. Jackson, and William L. Sublette led a caravan of wagons loaded with trade goods along the eastern portion of the Oregon Trail as far as South Pass. They did not cross the pass, but proved that the route was feasible for wagon migration to that point. In 1832, Captain Benjamin L.E. Bonneville led the first wagons across South Pass into the Green River Basin, proving the practicality of the pass for wagon travel. Thus, the fur trappers and traders had not only discovered the essential Oregon Trail corridor, but proved its ability to accommodate wagon traffic.

"By 1840, the fur trappers and traders had unwittingly hastened their own demise by developing an east-west corridor across the Trans-Mississippi West suitable for wagon travel. Popular interest had been aroused by the tales of returning Astorians, explorers, and mountain men of the vast empire that lay west of the Mississippi River. By an 1818 convention with England, the Oregon country became open for joint occupation by both English and American citizens. Spanish and Russian claims to the Oregon country were relinquished by treaties. American claims were tentative, as Astoria had been purchased by the North West Company during the War of 1812, and the American fur trade had lagged in the region until after 1819. In 1821, the North West Company and the Hudson's Bay Company merged under the charter and name of the latter to form a colossal fur empire. The resulting English monopoly in Canada and the Oregon country attempted to drive out American fur interests using 'cutthroat competition.' However, the proximity of the American settlements allowed hundreds of American citizens to enter the Oregon country, either overland by the Oregon Trail or by sea in the years following the convention, so that they eventually greatly outnumbered the British. Finally, in 1846, Oregon became a territory of the United States.

"The Oregon Trail allowed thousands of dissatisfied citizens to enter Oregon and helped tip the balance for its acquisition by the United States. As a result of the financial panic of 1837, depressed farm prices, the social impact of the industrial revolution, and the hope that life will be better elsewhere, thousands were willing to 'take the jump' at Independence, Missouri, and cross the rolling prairies to the Great Platte River Road.

"In 1836, Marcus and Narcissa Whitman and their party were sent to the Oregon country by the American Board of Foreign Missions to establish a Christian mission among the Indians. Leaving the annual trappers' rendezvous (held that year near the confluence of the Green River and Horse Creek near present-day Pinedale), the Whitman party traveled by wagon on a laborious route to Fort Hall. The wagon was converted into a cart which was finally abandoned at Fort Boise. In 1840, the Newell party took three wagons from Fort Hall to the Willamette Valley, reaching the Whitman mission that fall. The following year, Newell proceeded down the Columbia River with his wagon and is credited with the first wagon trip to reach the Pacific.

"In 1841, the Bidwell-Bartleson Party left Westport Landing guided by Thomas Fitzpatrick bound for Oregon. This party is generally credited as 'the first emigrant party' to traverse the entire length of the Oregon Trail. However, they abandoned their wagons at Fort Hall. The Elijah White party followed in the 1842 season and likewise left its wagons at Fort Hall. In that same year, John C. Fremont traversed a large portion of the emigrant road and made the first accurate map and guidebook for travelers. In 1843, the first large overland migration was led by Marcus Whitman. The party consisted of 130 women and 610 children in addition to the men. Due to the numbers and composition of the emigrants, many historians use the year 1843 to mark the real beginning of the great westward migration.

"Aubrey Haines, a noted Oregon trail historian, has compiled the following statistics for emigrant numbers utilizing the Oregon trail prior to the California Gold Rush of 1849:

1841.....	32	1845.....	3,000
1842.....	197	1846.....	1,500
1843.....	875	1847.....	4,500
1844.....	1,750	1848.....	1,000

"The Mormon migration began in 1847, using the north side of the Platte River as far as Fort Laramie, then generally following the Oregon Trail to Fort Bridger. The Mormons had been brutally driven from Nauvoo, Illinois, in February 1846 and followed territorial roads and Indian trails across Iowa and established Winter Quarters near the site of Omaha. Over 3,700 Mormons gathered there and in communities in Iowa. In the spring of 1847, Brigham Young led a party of 148 westward to Fort Bridger. He then followed the recently discovered Hastings Cutoff to the Salt Lake Valley where he established an embryo Mormon colony in the wilderness. The migration continued throughout 1847 and 1848 with subsequent parties establishing mileposts, ferry crossings, camping spots and improving the road. In 1848, The Latter Day Saints' Emigrants Guide was issued by the Mormons and was one of the earliest trail guides to be used by travelers on the Oregon Trail. Thousands of Mormon converts from England as well as the United States continued to make the long overland journey to Salt Lake until the completion of the transcontinental railroad in 1869.

"The Mormons began the handcart system in 1856 due to the lack of funds for a sufficient number of wagons. However, an early winter storm in October of that year resulted in the deaths of over 200 emigrants. The Willie company was caught by the storm along the Sweetwater River near South Pass. The party was already in a debilitated state from the long journey and made a camp on Rock Creek not far from the later site of the Lewiston mining camp. Before relief could arrive from the Mormon settlements, 67 emigrants had perished. Handcart travel was discontinued after 1860, and church sponsored teams and wagons were often sent east to haul the emigrants west. By the inception of the transcontinental railroad in 1869, an estimated 42,800 emigrants reached the Mormon settlements by means of overland travel, on foot, pulling handcarts, or by covered wagons. The Mormons were the first significant emigrant group to recognize the potential of and settle within a portion of the region lying between the Pacific Coast and the eastern settlements. Their seed colony gradually spread in all directions including east into southwestern Wyoming, and they maintained several ferry sites on the Green and Platte River crossings on the Oregon Trail.

"Prior to 1849, records show that 12,764 emigrants traveled the Oregon Trail, bound for Oregon or Utah. However, in 1849, interest shifted to California where significant gold deposits were discovered. The number of emigrants suddenly swelled to an estimated 22,550 to 30,000 in 1849 and 45,000 to 55,000 in 1850. These figures were obtained from wagon counts kept at Fort Kearney and Fort Laramie and multiplied by 3 to 4 occupants per wagon, along with estimates of packers (those who did not use wagons) taken from contemporary diaries. California-bound emigrants diverged southwesterly from the Oregon Trail, by using either the Hudspeth Cutoff from Soda Springs or proceeding

southward down the Raft River southwest of Fort Hall. This huge influx of argonauts was initially composed chiefly of males bound for the gold fields. Later, the number of women and children increased as California's warm climate and agricultural virtues were more fully recognized after the gold fever had subsided. In 1850, cholera epidemics swept the emigrants, thus reducing the number of travelers the following season. By 1852 the numbers rose once again with 50,000 emigrants estimated on the Oregon Trail. By that year, the gold rush traffic had ebbed, and a significant portion of the emigration headed for Oregon, as it did in 1853.

"West of South Pass, a number of significant trail variations or cutoffs were blazed in order to shorten the journey and to avoid or limit waterless stretches in the Big Sandy Desert. Many of these cutoffs were opened in the 1850s, but the most significant, the Sublette or Greenwood Cutoff was blazed in 1844. Despite cogent arguments raised by Mary Hurlburt Scott that William Sublette discovered the famous cutoff in 1832 and the existence of a map drawn by David Burr in 1840 vaguely depicting the 'Soublette (sic) Route' in the vicinity of the cutoff the consensus among historians is that Caleb Greenwood led the first wagons (the Stephens-Townsend-Murphy Party) across the route in 1844. It is likely that fur trappers knew of such a route long before the westward migration, but it may be impossible to credit a single individual or establish a date for the blazing of such a trail due to the scant written evidence left by the mountain men. The Bridger Route (main route) of the Oregon Trail turned southwest from South Pass and followed the Big Sandy River to the Green River ferry crossings, and beyond to Fort Bridger located on Blacks Fork. From there the trail turned northwest, followed the Little Muddy, crossed the Bear River Divide to the Bear River and continued westward into what is now a crude 'V' with Fort Bridger at the base. The Sublette Cutoff, in effect, closed the top of the V and saved 2-1/2 to 3 days and 60 to 70 miles. However, the Sublette Cutoff crossed a waterless stretch estimated by guidebooks and journals as 35 to 53 miles (actually about 50 miles) before reaching the Green River. The Sublette Cutoff became very popular during the California Gold Rush which was characterized by impatient gold seekers. The Dempsey-Hockaday Trail, a cutoff on a cutoff, was pioneered by John M. Hockaday in 1856 and saved several miles where the Sublette Cutoff dipped southward in the vicinity of the Hams Fork drainage.

"Several new short cuts discovered in the early 1850s avoided the 50-mile desert crossing on the Sublette Cutoff and soon reduced the traffic on its eastern portion. The Kinney Cutoff, the Baker and Davis Road, and the Mormon Road (not to be confused with the route out of Fort Bridger), used in conjunction with the Slate Creek Trail west of the Green River, all shortened the waterless stretch. They were located south of the Sublette Cutoff and generally cut across the triangle of land formed by the convergence of the Big Sandy and the Green Rivers. These short variations then converged on the west side of the Green River and followed the Slate Creek drainage westward and once again joined the Sublette Cutoff.

"East of South Pass, two significant variations were used by emigrants, the Childs Cutoff and the Seminole Cutoff. Andrew Child pioneered the cutoff which bore his name in 1850 and described it in his guidebook published in 1852. His route diverged in a northwesterly direction from the vicinity of Fort Laramie staying on the north side of the North Platte River and today's

Guernsey Reservoir. It remained on the north side of the North Platte River and rejoined the main Oregon Trail in the vicinity of present day Casper. The Seminoe Cutoff was probably pioneered by a fur trapper known as Seminoe and received moderate usage by the military and the emigrants after 1850. It began southwest of the Ice Spring Slough and bore southwesterly, staying well south of the Sweetwater River. By taking this route, parties could avoid the numerous crossings of that river.

"The character of the westward migration on the Oregon Trail gradually changed through its decades of use. In 1849, a detachment of the U.S. Army, known as the Mounted Riflemen, established a number of military posts along the Oregon Trail for the protection and convenience of the emigrants. In Wyoming, Fort Laramie was converted into a military post. The site had long served as a fur trading center, strategically located at the intersection of the established route to the western trapping grounds along the North Platte River and the Trappers Trail south of Taos. Fort William was rebuilt in 1841 and named Fort John but became more popularly known as Fort Laramie. Fort John was purchased by the Army in 1849 and was gradually rebuilt with woodframe buildings. The original adobe fort stood at the south end of the parade grounds and was finally demolished in 1860. According to the guidebooks, Fort Laramie was 665 miles west of St. Joseph, about one-third of the way to Sacramento. It represented the beginning of the mountains and the end of the more easily traveled plains. It was also the last outpost of civilization and provided a good 'turning back' place for the emigrant.

"The regiment of Mounted Riflemen under Colonel William Loring continued westward along the Oregon Trail but bypassed Fort Bridger by taking the Sublette Cutoff. However, Captain Howard Stansbury of the Corps of Topographical Engineers passed through the post in August en route to a survey of the Salt Lake Valley and recommended the location as being ideal for a military post. Fort Bridger had been constructed by Jim Bridger and Louis Vasquez in 1842 and 1843 as a trading post which catered to the emigrant traffic. In 1853, the post was seized by the Mormons and occupied until the Mormon War of 1857, when the Mormons abandoned and burned the post. In 1858, the remains of the fort became a U.S. military installation which was in service until 1890. Therefore, wagon-bound emigrants had two major supply points along the Oregon Trail in present-day Wyoming. After 1849, in addition to the military installation at Fort Laramie, soldiers patrolled the trail offering additional protection for the emigrants.

"In 1857, Congress approved the construction of a number of wagon roads across the territories to aid emigrant travel and speed mail delivery to the West Coast. Frederick West Lander was appointed chief engineer of the Fort Kearney, South Pass, and Honey Lake Wagon Road. The existing Oregon Trail was utilized from Fort Kearney to Independence Rock and received limited improvements. The central division of this road crossed South Pass, the Green River Basin, and the Bear River Mountains to City of Rocks. Although Lander sent out a number of survey crews to inspect the various cutoffs already in use west of South Pass, he decided to construct a new road north of the existing variations which became known as the Lander Cutoff. It was opened for emigrant traffic for the 1859 season and was used by an estimated 13,000 travelers that year. Lander's crews also made minor improvements to some of the existing trail variations west of South Pass and dug some wells along the

waterless stretch of the Sublette Cutoff. The Pacific wagon Road improvements greatly aided the overland migration with new and shorter routes and the improvements of old ones, and in Wyoming, resulted in the creation of the Lander Cutoff.

"The Oregon Trail was also used as a major freight route to supply the growing Mormon settlements in Utah. As early as 1849, Ben Holladay had begun serious freighting on the Oregon Trail by taking 50 freight wagons to Salt Lake City, and he extended this effort to California in 1850. During the Mormon War of 1857, William B. Russell, Alexander Majors, and William B. Waddell conducted a large scale freighting operation to supply the U.S. military expedition under Col. Albert Sidney Johnston. The Mormons also developed their own freight lines after 1850 utilizing the Oregon Trail.

"In 1850, the federal government began mail service to the growing western settlements via the Oregon Trail by awarding a mail contract to Samuel Woodson for monthly mail service from Independence to Salt Lake City. W.M.F. Magraw succeeded Woodson in 1854 and continued mail and passenger service to Salt Lake and California. Both efforts met with mixed success due to harsh weather and Indian problems. In 1856, the Mormons succeeded Magraw and began to systematically develop relay stations using mule teams. However, the Mormon War of 1857 suspended overland mail service for about a year. Overland mail service to California continued on the more southerly Butterfield route. In 1858, John M. Hockaday was awarded the mail contract for the central route over the Oregon Trail. He sold out to Russell, Majors, and Waddell in 1859. These routes only extended to Salt Lake with California service continuing on the Butterfield line. Russell, Majors, and Waddell also established the famous but short-lived Pony Express which opened on April 3, 1860. Initiated chiefly as publicity for a central federal mail route to California, mail was to be carried by relay riders from St. Joseph to Sacramento in ten days via the Oregon and Mormon Trail in Wyoming. However, a transcontinental telegraph system was under construction at the same time, also utilizing the Oregon Trail corridor. Edward Creighton was in charge of construction from Omaha to Salt Lake City. The entire telegraph system was constructed in just over four months and forced the abandonment of the Pony Express on October 24, 1861.

"The impending Civil War led Congress to switch the Overland Mail route to California from the southern Butterfield line northward to the Oregon Trail. Ben Holladay received the one million dollar federal mail contract in 1862 by forcing the Central Overland California and Pike's Peak Express Company (Russell, Majors, and Waddell) to sell out to him for \$100,000 to settle outstanding debts. Holladay established stage stops all along the Oregon Trail in present-day Wyoming, using most of the existing Pony Express and stage relay stations. However, he soon moved his line southward to the Overland or Cherokee Trail in an attempt to avoid Indian harassment. From 1862 until the completion of the transcontinental railroad in 1869, the federal mail was carried via this route which stayed south of the Oregon Trail corridor until it rejoined the Mormon branch in the vicinity of Granger.

"Farther east, two major north-south trails emerged in the 1860s which branched off from the Oregon Trail to the Montana gold fields. The Bozeman Trail was laid out by John M. Bozeman in 1863. It diverged from the Oregon Trail and North Platte River near the future site of Fort Fetterman and

proceeded in a northwesterly course through the Powder River Basin, passing by the present-day towns of Buffalo and Sheridan into Montana. This intrusion into the last major Plains Indians' stronghold allowed gold seekers to venture northward from the Oregon Trail. However, the risks were high as evidenced by Bozeman's problems with the Sioux on the initial trip. Therefore, in 1864, Jim Bridger laid out an alternative route which bypassed the Powder River country and utilized the Big Horn Basin to the west. Bridger's route left the Oregon Trail at Red Buttes and proceeded northwesterly through desolate sagebrush country to the Wind River and north to the Bighorn Basin and beyond.

"In 1866, the Bozeman Trail was strengthened by the military which built a system of forts that included Fort Kearney. Despite the military presence, emigrant travel on the Bozeman was extremely hazardous. In December 1866, 81 soldiers under the command of William J. Fetterman were killed by the Sioux near Fort Kearney, proving that the military could not adequately protect itself. This Indian victory and constant raids effectively closed the Bozeman Trail and led to the Fort Laramie treaty of 1868 which conceded the region to the Indians. The government abandoned its forts and forbade white travel through the area.

Fort Fetterman was established near the juncture of the Oregon and Bozeman Trails (just north of Douglas) in July 1867 and became the chief resupply point in the region during the Indian Wars of the 1870s. Hostilities ceased in the Powder River region of Wyoming by the signing of the Treaty of September 26, 1876, by which the Sioux Nation ceded the Black Hills and all rights to the lands to the west. This treaty opened up the area to white settlement, and the growing Wyoming cattle industry soon filled the vast rangelands in the region.

"Thus, by the 1860s, the Oregon Trail had become much more than an emigrant corridor. Auxiliary trails, like the Bozeman and the Bridger, diverged from the established route to open new regions. The transcontinental telegraph, the Overland Mail, and freight traffic to the Salt Lake settlements and beyond all utilized the route. Stage stations had been established at regular intervals along with military installations and the associated protection of the military. New trail variations and improvements had been achieved by the Pacific Wagon Road program as well as by the Montana Gold Rush excitement. Indeed, travel along the Oregon Trail had become very different from the early days of the pioneer wagon trains of the 1840s. The Oregon Trail had become the lifeline of a continent and bridged the sparsely populated territory between 'the States' and the far western settlements.

"Moderate use of the Oregon Trail continued throughout the 1850s and 1860s. There was a dramatic drop after the California Gold Rush had subsided, but the Colorado Gold Rush created a peak year in 1859 with 30,000 emigrants using the trail. Traffic subsided during the Civil War but gradually increased to 25,000 in 1865 and 1866.

"Trail historians generally use the year 1869 to mark the end of the traditional covered wagon migration as well as the pre-settlement period throughout the Oregon Trail corridor. With the completion of the transcontinental railroad in that year and the beginning of the settlement of

the intervening territories, the character of western emigration was changed. However, other historians have noted that wagon travel did continue by those emigrants who could not afford rail or stage transportation, and those traveling shorter distances between or within the territories.

"The transcontinental railroad was completed on May 10, 1869. The immediate result was the demise of the Overland Mail via stagecoach. The far-sighted Ben Holladay had sold out to Wells Fargo Company in 1866 leaving it to suffer heavy losses when the railroad was completed earlier than assumed. Thereafter, the federal mail was carried by the railroads.

"In Wyoming, the Union Pacific chose a right-of-way which paralleled the route of the southerly Overland Trail rather than the better watered, but longer Oregon Trail. Stage and freight routes were developed along north-south lines emanating from mainline of the Union Pacific Railroad. The railroad encouraged settlement along its tracks, partially due to the granting of a 40-mile wide swath of land along the right-of-way, and because of the dependence of any industries on rail transportation to distant markets. Railroad towns such as Cheyenne, Laramie, Rawlins, Rock Springs, and Evanston grew up along the mainline far south of the Oregon Trail. They became the early commercial centers in Wyoming Territory, and north-south freight and stage lines generally grew from one of these points. Thus the Cheyenne-Deadwood stage route was built to the Black Hills gold and silver mines in 1874-75. Further west, the Rawlins-Fort Washakie Road connected the Wind River Indian Reservation with the Union Pacific Railroad to supply the Shoshoni and Arapaho tribes with goods. Several routes were developed to connect the Sweetwater Mining District at South Pass with the railroad, including the Point of Rocks-South Pass City Road and the Bryan-South Pass City Road. The railroad had replaced the Oregon Trail as the chief transportation corridor in Wyoming Territory and the West.

"Emigrant-Indian relations were inconsistent throughout the migration period on the Oregon Trail. Hostile acts and violent confrontations, although they did exist, have been overemphasized in trail history. During the early migration period in the 1840s, attacks were few, and there are many recorded instances of Indians helping the emigrants at treacherous river fords, giving directions, conducting peaceful trading, and providing food. It does not appear that the native populations immediately recognized any threat from the small numbers of westward-bound emigrants, although they were in effect trespassing on tribal lands. Chief Washakie and his Shoshonis and eastern Snakes were particularly well known for their kindness and assistance to emigrant parties.

"The swelling of the emigration numbers during the California Gold Rush period may have marked the real beginning of ill feeling and open hostile acts. The large number of emigrants disturbed game herd movements upon which the Indian depended. Livestock overgrazed the range, and travelers cut all available wood within the trail corridor. As emigrant numbers increased, the odds of confrontations between the emigrant and Indian steadily increased. The paying of tributes by the travelers to cross tribal lands was a common practice that was highly resented by the emigrants. The cavalier attitude of some of the emigrants toward the Indian and incidents of begging and thievery on the Indians' part undoubtedly exacerbated the problem.

"The Laramie Treaty of 1851 represented a belated stop-gap measure to avoid violence. The terms of the treaty paid the participating tribes an annuity of \$50,000 a year in goods. In return, the tribes recognized the right of the United States to establish roads and posts in their territories. Rough tribal boundaries were also established to prevent fighting among the tribes.

"An incident which resulted in the Grattan Massacre graphically represents the pattern of reprisal which brought on the Indian wars of the 1860s and 1870s. It developed from a dispute over the killing of an emigrant's cow near Fort Laramie. When the impetuous Lieutenant Grattan was sent into a large Brule' Sioux village to arrest the culprit, he and 29 soldiers were killed along with Chief Conquering Bear. The military responded with the Harney Campaign in 1856 and its indiscriminate attack on a camp of Brule' Sioux on the Blue River near Ash Hollow, Nebraska. Knowing little of Plains Indian culture, most military commanders sought revenge on any available group of Indians. Once established, this pattern of reprisal was applied by both sides, resulting in the killing of innocent emigrants and Indians.

"The most dangerous portion of the Oregon Trail, contrary to popular myth, was not the plains but the region west of South Pass. Several serious attacks occurred along the Snake River in Idaho and the Applegate trail in northern California and southern Oregon. Estimates of casualties compiled by John Unruh for the period between 1840 and 1860 show that the Indians suffered heavier losses than the emigrants. Only 362 emigrants were killed by Indians during that 20-year period. Large emigrant trains were seldom attacked, and most casualties resulted from individuals straying from the main group while hunting or exploring. An emigrant was much more likely to die from disease, being run over by a wagon, from accidental shooting, from being trampled in stampedes, or drowning while fording rivers.

"By the 1860s, the Indian problem had worsened and open warfare erupted on the Plains. Ben Halladay moved his stageline south in order to avoid Indian attacks, but his new route was also raided. The most sustained period of attacks occurred in 1865, when the Sioux and Cheyenne retaliated for the Sand Creek Massacre in Colorado. Red Cloud's War in the Powder River country and the hostilities along the Bozeman Trail have already been discussed. At the Battle of Platte River Bridge on July 26, 1865, Lieutenant Casper Collins and a detachment of soldiers were surrounded and killed by Indians near the bridge crossing on the Platte River Bridge. In the same year, the transcontinental telegraph line was moved southward from the Oregon Trail to the Overland Trail due to constant Indian destruction of the line. However, it was kept open from Fort Bridger to the South Pass mining area. By 1876, military pressure and forced treaties had removed Indian populations, hostile or otherwise, from the vicinity of the Oregon Trail corridor in Wyoming.

"The great westward migration along the Oregon Trail clearly helped to precipitate the Indian Wars of the 1860s and 1870s. The United States government had made no serious preparations for dealing with the indigenous peoples of the West during the early stages of the migration. The mood of the country at the time was expressed by the policy of Manifest Destiny--the Indians had no right to these lands and stood in the way of the expansion of the American empire. The military arrived on the scene too late and too few in number to protect the emigrant or the aggrieved Indians. A young America

was too impatient to take the time to peacefully solve these complex problems. Instead, the nation resorted to force and the reservation system to extinguish Indian claims. This is the negative impact of the great 19th century westward migration on the history of the United States and the indigenous populations in the environs of the Oregon Trail.

"Most of the emigrants who crossed what would become Wyoming Territory regarded the country as a series of obstacles to be overcome in order to reach more attractive destinations in the Salt Lake Valley, Oregon, and California. Wyoming's climate did not appear to be suited to farming pursuits. However, two events took place at the same time as the construction of the transcontinental railroad across the mountains and prairies of southern Wyoming which helped to change those views. The railroad provided the needed impetus for the development of the fledgling cattle industry in Wyoming, which had heretofore been limited to a small number of road ranches serving the emigrant traffic. The Texas Trail drives northward during and after the Civil War provided the cattle, Wyoming supplied the grazing land to fatten the beef, and the railroad provided the means of transportation to eastern markets. Wyoming was soon recognized as a great grassland empire ideally suited for pastoral pursuits. As a result, great trail drives were also organized from points west where substantial herds had already been established, and the stock was driven eastward over the Oregon Trail to Wyoming.

"The second phenomena was the discovery in 1867 of gold deposits near South Pass along the Oregon Trail. Hundreds of 49ers traveled eastward to try their hand in the newly discovered fields. When those emigrants traveling westward on the Oregon Trail began to recognize the economic potential of the intervening territories such as Wyoming, Colorado, and Montana, and some stopped short of the old goals on the West Coast.

"The earliest record of mining in the South Pass era dates from 1842, when gold was discovered by a Georgian traveling with the American Fur Company who was subsequently killed by Indians. In 1855 a party of experienced miners returning from the California gold fields found gold deposits along the Sweetwater River. Other small discoveries were made in 1860 and 1865. The close proximity of the Oregon Trail suggests that the region was subject to sporadic prospecting throughout the 1850s and 1860s by passing emigrants. However, no major strikes occurred nor were any claims staked until June 1867 when H.S. Reedall discovered the Carissa lode. A full-fledged gold rush soon followed despite attacks by Sioux and Cheyenne Indians that summer. South Pass City and Atlantic City sprang up among the mining claims, and by 1869, census figures showed 1517 people in the Sweetwater Mining District. However, by 1875, the Sweetwater District had become idle with most of the miners moving on to other strikes in a combination of factors including poor management and fraud. Also, recovering ores became more complex as greater depths were reached, therefore requiring more expensive milling processes. The mines were far from rail transportation with limited water and timber for milling and mine construction.

"Contrary to popular opinion, the South Pass mines experienced numerous periods of renewed activity starting in 1879 with new discoveries at Lewiston. Interest in the district was sparked by Emile Granier's grandiose canal

building schemes in the late 1880s to provide water for hydraulic mining. New finds were made at Lewiston in 1893 and 1894, and again from 1911 to 1914, and old mines were revitalized. Large scale placer operations netted considerable gold in the teens and 1920s, and gold dredging of Rock Creek was conducted from 1933 to 1941.

"The historical significance of the Sweetwater mines lay in the influx of hundreds of gold seekers to the region and their impact on the economic development and eventual settlement of this portion of Wyoming. As mentioned, transportation routes were built from the Union Pacific mainline to serve the mines and aided in opening up the region. The initial gold rush at South Pass hastened plans for Indian removal with the creation of the Wind River Indian Reservation which acted as a buffer between the mines and the more hostile Sioux Nation to the east. The proximity of the Oregon Trail corridor probably hastened the discovery of gold at South Pass with experienced miners passing to and from the California gold fields.

"Cattle ranching began in earnest in southeastern Wyoming Territory after the construction of the Union Pacific. The Texas Trail provided part of the livestock with over 100,000 head of cattle coming from Oregon to Wyoming and Colorado Territories by 1879. The Colorado mining communities, as well as hungry railroad construction gangs, provided the earliest markets. The new railroad towns of Cheyenne and Laramie also provided substantial local markets. As the surrounding range became stocked with substantial cattle herds, large numbers were shipped eastward on the railroad each year. With the opening of the Powder River country and the removal of the Indians after 1876, the cattle industry soon filled the void and occupied the vast grasslands north of the North Platte River and Oregon Trail. The industry also spread westward into the Sweetwater country along the Oregon Trail and in western Wyoming wherever the range was suitable for cattle.

"Sheep ranching followed about 10 years after cattle ranching was already established in Wyoming. Therefore, the sheep industry was limited to less favorable areas not already usurped by the large cattle outfits. Much of the foundation stock was driven eastward, first from California (1865 to 1884) and later from the Pacific Northwest (1885-1901) over the Lander Cutoff and Oregon Trail into Wyoming Territory. The Red Desert of southwestern Wyoming was found to be an ideal winter range for sheep.

"Open range management was used in both cattle and sheep ranching where the livestock depended on natural forage for survival both summer and winter. The dry climate allowed nutritious but scant prairie grasses to cure on the stem to provide winter forage. A certain percentage of cattle and sheep died each winter during the most severe blizzards, but this loss was offset by the low overhead of the ranching operation with little investment in buildings, fencing or supplemental feed. European capital was heavily invested in the Wyoming cattle industry during the era of the Cattle Barons in the late 1870s and early 1880s. The available range soon became overstocked, and the flooding of the market brought about a decline in beef prices. Drought conditions in the summer of 1886, followed by the devastating blizzard of that winter resulted in heavy livestock losses and a number of cattlemen were forced out of business. After that time, new management practices were established, whereby hay meadows were developed to provide winter forage. The range was gradually fenced off to provide greater control of the livestock.

"The Blizzard of 1886-1887 eliminated competition in what had become a crowded field, and effectively ended the open range system of the cattle industry forever. The cattle industry remained depressed for a long period of time after 1886, and the sheep industry filled the vacuum. It nearly dominated the cattle industry in the late 1890s and early 1900s with an all-time high of seven million sheep raised in 1910. Much like the cattlemen, the sheep interests tended to overstock the fragile range and suffered heavy losses in years of drought.

"For the Wyoming segment of the Oregon Trail corridor, the advent of ranching, both cattle and sheep, began the actual settlement of a region previously viewed as uninhabitable and unsuitable for the usual subsistence farming methods and developed east of the Mississippi River in an area of high annual rainfall. However, federal land and policy was not well suited to a semi-arid region where, according to John Wesley Powell, at least 2560 acres or 40 acres per cow were needed for a successful cattle operation. Under the Homestead Act of 1862, a settler was limited to 160 acres of "unappropriated public lands," a parcel far short of what was needed in and near the Oregon Trail corridor in Wyoming. By 1880, two other land acts had been enacted by Congress in an attempt to tailor federal land policy to the western expanses. The Timber Culture Act of 1873 allowed an individual to claim 160 acres if he planted 40 acres in trees and kept them growing for eight years. However, early experiments showed that it was virtually impossible to grow substantial stands of trees in most portions of Wyoming Territory. The Desert Land Act of 1877 allowed a homesteader to buy up to 640 acres of "desert land" (land which required irrigation for the cultivation of crops) at 25 cents an acre as long as a portion of it was put under irrigation. Once again, this act proved untenable in most areas lacking year-round water sources for irrigation. Only 4,148 patents resulted from 15,898 filings under the Desert Land Act in Wyoming.

"By 1880, a Wyoming rancher could use all the existing land laws to obtain a maximum of 1,120 acres, and still fall far short of what he needed to conduct a successful cattle operation. As a result of the existing federal land policy, ranchers were literally forced to resort to fraudulent and illegal measures such as 'dummy' filings, controlling water sources, and fencing the public domain.

"Settlement in terms of the small farming homesteads envisioned by the federal government was hindered in Wyoming Territory for a number of reasons. First, the cattle interests were the first to take advantage of Wyoming's grasslands, and they required large amounts of land which they controlled by any means, fair or foul. Secondly, fertile lands in Oregon and California as well as the eastern fringes of the Great Plains were still available into the 1880s. Therefore, until these lands were saturated, the homesteader had little incentive to venture forth onto the Great Plains to brave the harsh semi-arid climate, the cattle rancher, or the Indians.

"However, with the fall of the large cattle interests after 1886, a crackdown by the General Land Office on the fencing of the public domain, as well as an increase in annual rainfall in the semi-arid regions in the 1880s, farming

appeared more attractive, and the small homesteader began to file on public lands in Wyoming Territory. Most successful farming efforts occurred along the North Platte River along the eastern portion of the Oregon Trail corridor where rich bottomland existed and irrigation of crops was possible.

"The small farmer did not attempt to leave the well-watered areas until the dry land farming excitement late in the 19th century. The basic belief that 'rain follows the plow' improved farming equipment and new dry land farming techniques, along with the cycle of increased rainfall, allowed the farmer to venture forth onto the unclaimed waterless prairie. The railroads and land companies encouraged homesteaders to take up these vacant lands. Railroad expansion in Wyoming had been quite slow after the building of the Union Pacific through the southern portion of the Territory in 1867-1868. Portions of the Oregon Trail and its variations were used by the Oregon Shortline in 1882. This branch was built from the Union Pacific mainline northwesterly from Granger and followed the old Hams Fork Cutoff through present-day Kemmerer and the main Oregon Trail from Fort Bridger along the Bear River to Soda Springs and beyond to connect the Union Pacific with Oregon rail lines.

"Although contemporary newspaper accounts long envisioned a rail line over South Pass to service the Sweetwater mines and upper Green River Valley, such a line was never built. Except for early 20th century rail lines built east of Casper, most of the Oregon Trail was never used as a right-of-way for railroads despite its long and proven history of travel.

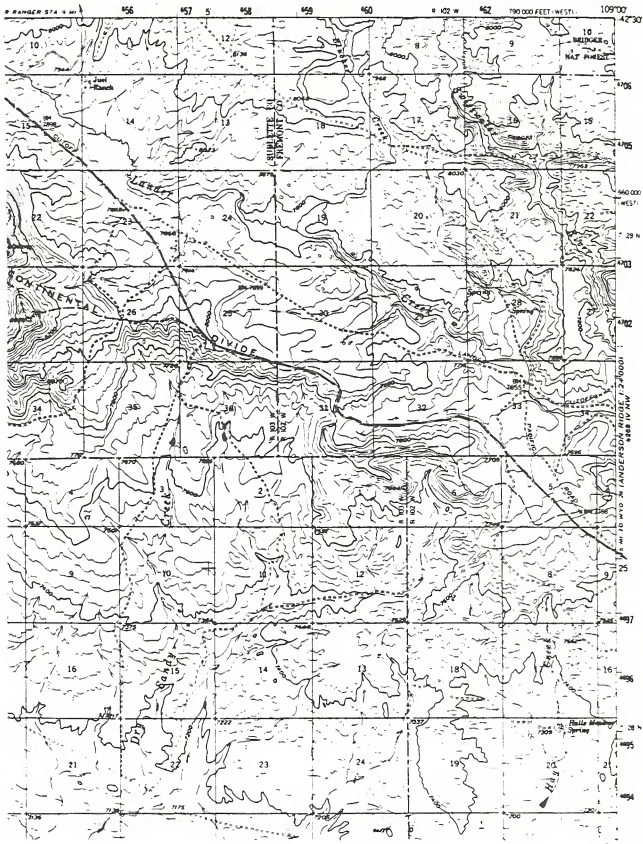
"The small farmer had ventured onto the dry plains of eastern Wyoming. However, dry years in 1889 and 1890, and finally a severe drought in 1894 spelled the end of the wet cycle. Coupled with the nationwide Financial Panic of 1893, thousands of homesteaders were forced to abandon their homesteads and retreat from the dry plains.

"The height of the Dry Land farming boom occurred in Wyoming after 1900 and represented a renewed assault on the unclaimed public lands on the dry plains. This phenomena was encouraged by the State Board of Immigration and Agriculture as well as the railroads which were in the process of building lines into eastern and northcentral Wyoming. The 1909 Homestead Act increased the amount of land a settler could file upon to 320 acres and offered further encouragement to emigrate to Wyoming. Along the eastern Oregon Trail corridor, the North Platte project resulted in the building of the Pathfinder Dam which was completed in 1910. It actually flooded a substantial segment of the Oregon Trail east of Independence Rock. Two canals were constructed on either side of the North Platte River eastward into the Nebraska Panhandle. Millions of acres of land fell under irrigation and were planted with sugar beets, seed potatoes, alfalfa, and wheat farming techniques for growing cash crops proved unsuccessful over an extended period. Those farmers who managed to combat periodic droughts throughout the teens and 1920s were finally defeated by the Dust Bowl and Great Depression of the 1930s. With the exception of the irrigated lands along the North Platte River southeast of Douglas, the majority of the land in and near the Oregon Trail corridor in Wyoming was returned to large scale livestock grazing ranches by the Taylor Grazing Act of 1934 and Depression Era resettlement programs.

"Settlement of the Oregon Trail corridor was an uneven process, spread out over a number of decades. It remained a viable avenue of travel long after the completion of the transcontinental railroad for those who could not afford railroad or stage fares, for eastern and western trail drives, and for regional and local travel extending into the 20th century. Historian Mary Hurlburt Scott sites numerous examples of covered wagon traffic on the various cutoffs west of South Pass in the post-1880 era and as late as 1912. East of South Pass, large segments of the trail corridor were settled by ranchers and farmers by 1890. East of Casper, many trail segments were used by railroads or placed under cultivation and irrigation by 1920, and major communities such as Casper, Douglas, Glenrock, and Torrington had grown up over the trail."

APPENDIX II

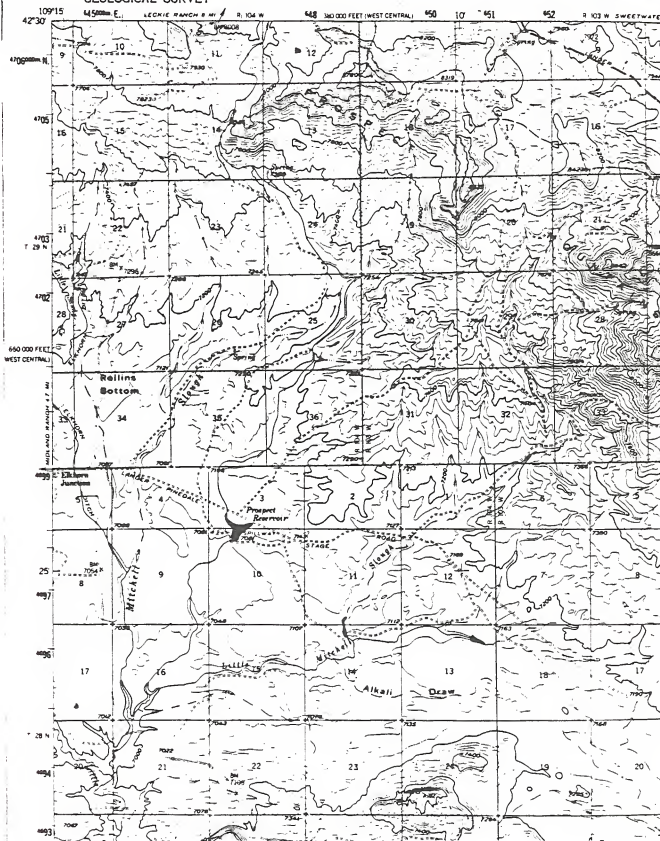
MAPS



- ▲ Site Location (trail segment no.)
- +—+— Oregon Trail
- +—+— Mormon Trail
- +—+— Pony Express Route
- +—+— Child's Route
- +—+— Seminoe Cutoff
- +—+— Lander Road
- +—+— Sublette Cutoff
- +—+— Slotte Creek Cutoff
- +—+— Hams Fork Cutoff
- +—+— Blocks Fork Cutoff
- +—+— Kinney Cutoff
- +—+— Demossey Hoco-day Trail

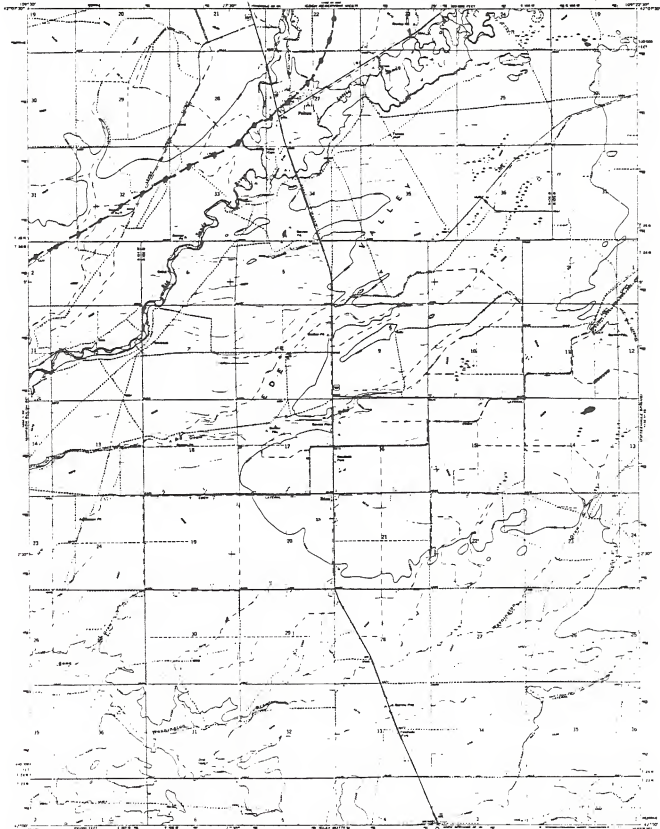
Parting of the Ways NE
(Halls Meadow Spring)

GEOLOGICAL SURVEY



- +—+— Oregon Trail
 - +—+— Mormon Trail
 - +—+— Pony Express Route
 - +—+— Child's Route
 - +—+— Seminoe Cutoff
 - +—+— Lander Road
 - +—+— Sublette Cutoff
 - +—+— Slotte Creek Cutoff
 - +—+— Hams Fork Cutoff
 - +—+— Blocks Fork Cutoff
 - +—+— Kinney Cutoff
 - +—+— Dempsey McCoddy Trail
- ▲ Site Location (trail segment no.)

Parting of the Ways N.Y.
(Prospect Mountains)



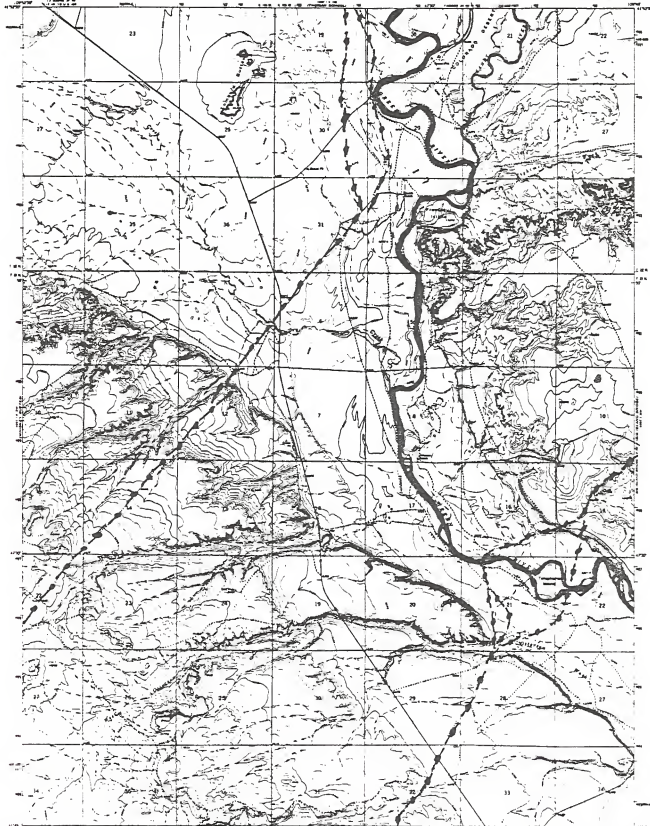
- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pine Express Route
- ▲— Child's Route
- ▲— Seminoe Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slatts Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demossy Hockaday Trail

▲ Site Location (trail segment no.)

Scale 1:50,000
 100 Feet
 1 Mile
 10 Kilometers

ROAD CLASSIFICATION
 1. Federal Highway
 2. State Highway
 3. County Highway
 4. Private Road
 5. Unimproved Road
 6. Footpath

FARSON WYO
 1958



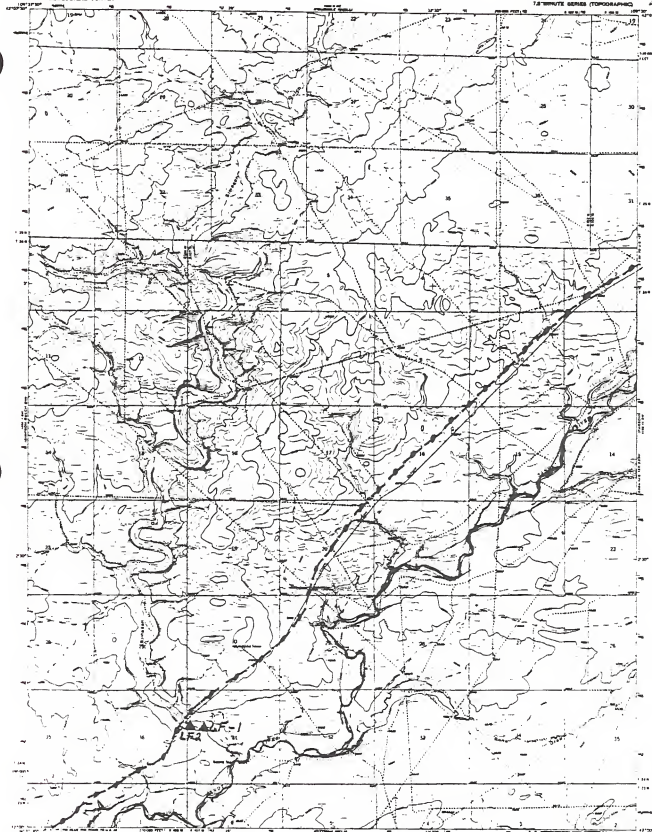
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Sierra Creek Cutoff
- Hanks Fork Cutoff
- Kinross Cutoff
- Demossy-Hocaday Trail

▲ Site Location (trail segment no.)

SCALE 1:62,500
 GRAPHIC SCALE
 METERS
 FEET
 0 100 200 300 400 500 600 700 800 900 1000
 0 100 200 300 400 500 600 700 800 900 1000
 METERS
 FEET

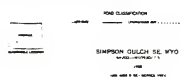
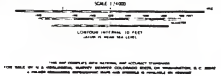
This map was prepared from surveys and reports of the
 U.S. GEOLOGICAL SURVEY, TERRACE-METRE TAPE 22, LONGMUD BUTTE QUADRANGLE, 7.5 MINUTE SERIES, 1908.

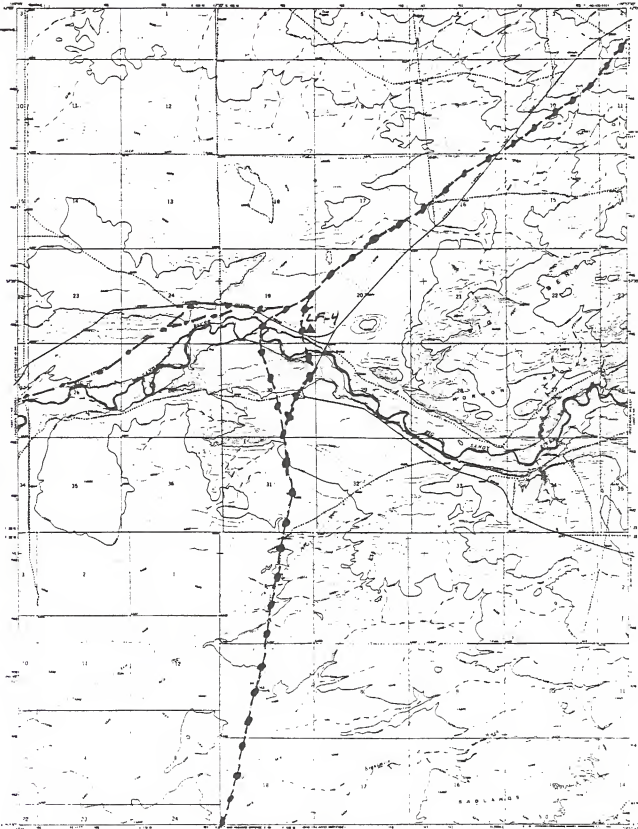
NO. 1000-10000
 LONGMUD BUTTE WYO
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20508



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Symmes Cutoff
- Jinter Road
- Sublette Cutoff
- Slotte Creek Cutoff
- Horns Fork Cutoff
- Black Fork Cutoff
- Kinney Cutoff
- Dempsey Hobbay Trail

▲ Site Location (Trail segment 1)





- Oregon Trail
- Vernal Trail
- Pony Express Route
- Old's Route
- Semence Cutoff
- Under Road
- Sabette Cutoff
- Slatte Creek Cutoff
- Hays Fork Cutoff
- Blocks Fork Cutoff
- Kinney Cutoff
- Dempsey Hockaday Trail

▲ Site Location (trail segment no.)

SCALE 1:50,000
VERTICAL DISTANCE 1:50,000
HORIZONTAL DISTANCE 1:50,000
UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C. 20541
1962

THIS MAP FORMERLY WAS NATIONAL MAP NUMBER 1000000
AND IS ONE OF A SERIES OF MAPS OF THE UNITED STATES
AT A SCALE OF 1:50,000, SHOWING TOGETHER WITH THE UNITED STATES
GEOLOGICAL SURVEY, WASHINGTON, D. C. 20541

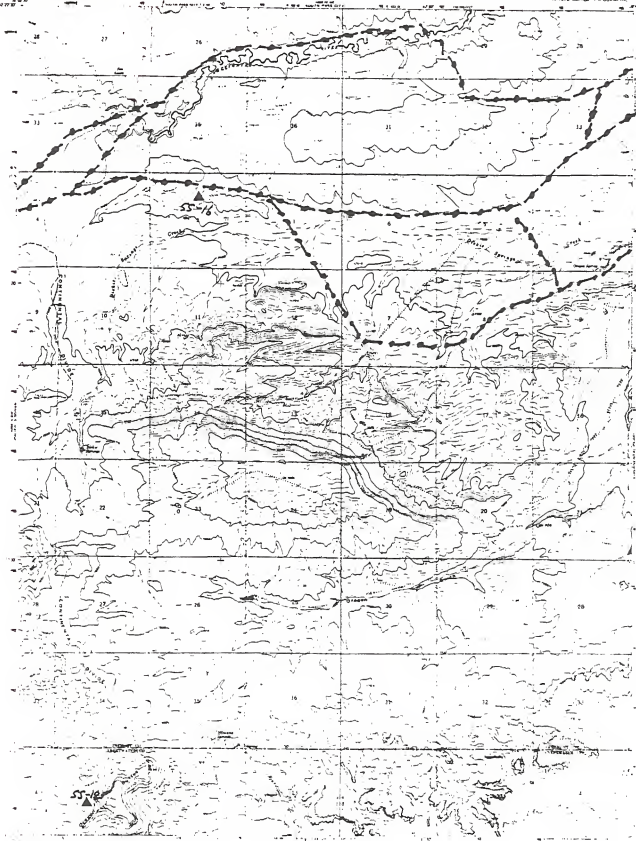
1:50,000
GARSON BRIDGE
1962
UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C. 20541



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Senneca Cutoff
- Lander Road
- Silette Cutoff
- Signe Creek Cutoff
- Hanks Park Cutoff
- Black's Park Cutoff
- Kinsey Cutoff
- Dempsey Hecaday Trail

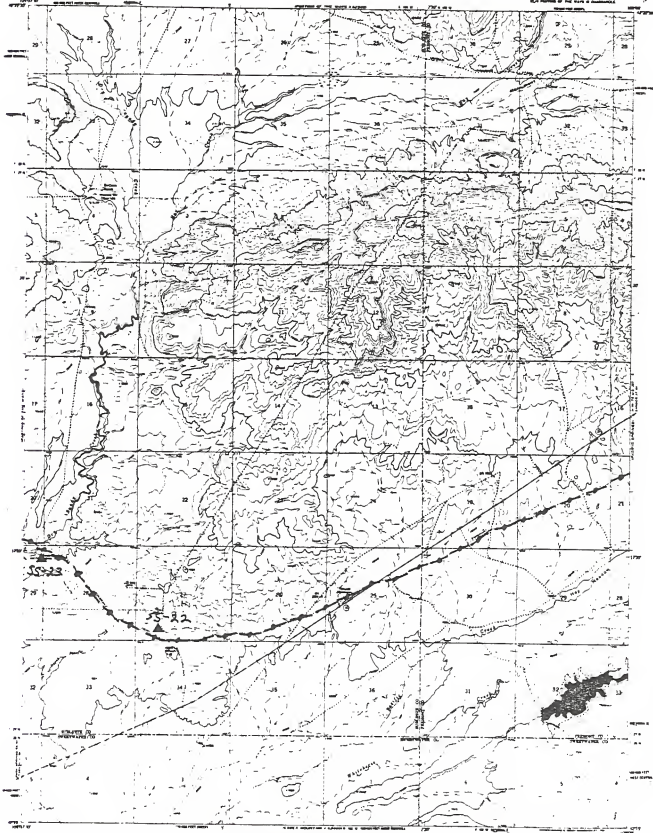
AT CENTER
SOUTH PASS CITY
MONT. CO.

U.S. GEOLOGICAL SURVEY
WASHINGTON, D. C.



- Oregon Trail
- Mormon Trail
- - - Pony Express Route
- - - - - Child's Route
- - - - - Seminoe Cutoff
- - - - - Lander Road
- - - - - Sublette Cutoff
- - - - - Slotte Creek Cutoff
- - - - - Horns Park Cutoff
- - - - - Black Fork Cutoff
- - - - - Kinney Cutoff
- - - - - Dempsey Hecobay Trail
- ▲ Site Location (trail segment no.)

THIS MAP IS A REPRODUCTION OF THE ORIGINAL MAP OF THE GEOLOGICAL SURVEY. IT IS NOT A SUBSTITUTE FOR THE ORIGINAL MAP. THE ORIGINAL MAP IS AVAILABLE FOR PURCHASE FROM THE NATIONAL CENTER FOR GEOLOGICAL INFORMATION, RESTON, VIRGINIA 20192.

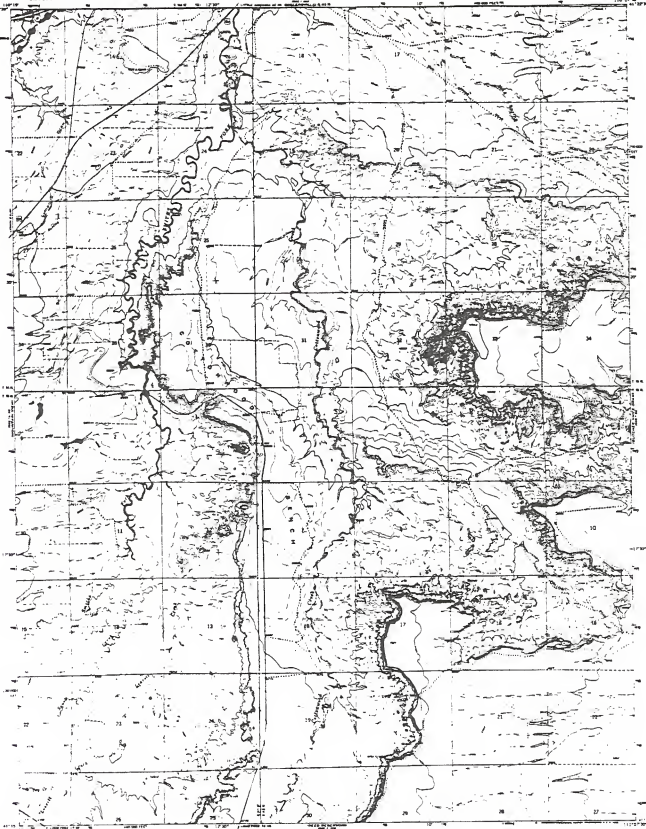


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sawmice Cutoff
- Lanier Road
- Sublette Cutoff
- Stone Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinsey Cutoff
- Dempsey Hoadaday Trail
- ▲ Site Location (trail segment no.)



THIS MAP IS IN THE PUBLIC DOMAIN. IT IS HEREBY OFFERED TO THE PUBLIC AS A SERVICE OF THE GEOLOGICAL SURVEY.

HAY MEADOW RESERVOIR WYO
BY CONTRACT TO THE U.S. GEOLOGICAL SURVEY
1954



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sennels Cutoff
- Lander Road
- Sublette Cutoff
- Stone Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinsey Cutoff
- Demossy Hockaday Trail

▲ Site Location (trail segment no.)



ROAD CLASSIFICATION

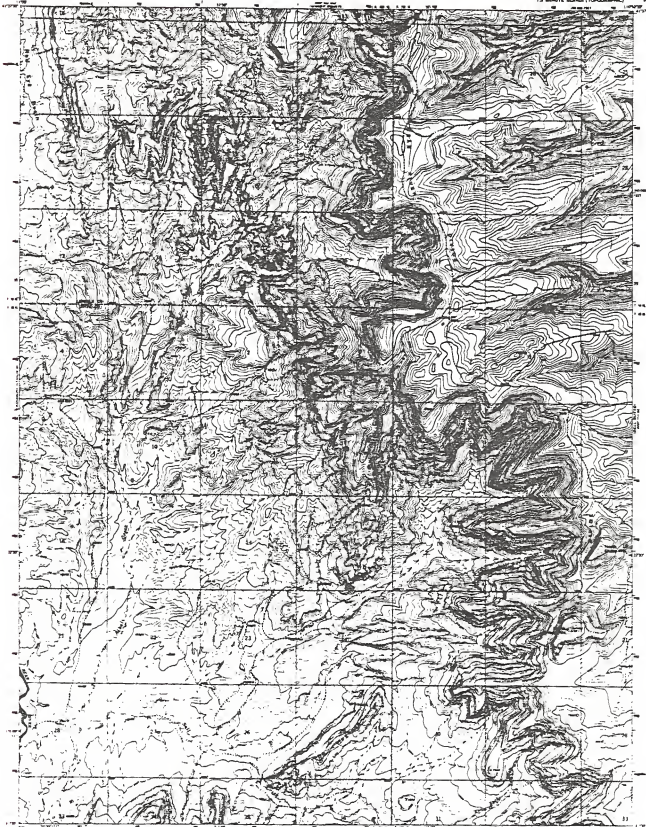
— National Highway

— State Highway

— County Road

— Private Road

MASTER
TURTLE HILL, WYO



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Sawtooth Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slatts Creek Cutoff
- ▲— Home Fork Cutoff
- ▲— Black Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Kinsey Hoadley Trail

▲ Site Location (trail segment no)



PHOTOCLASSIFICATION
UNCLASSIFIED

SAWTOOTH MOUNTAIN WYO
SCALE 1:24,000
1968
THE UNITED STATES GEOLOGICAL SURVEY



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Chief's Route
- ▲ Seminole Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Saitte Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Black Fork Cutoff
- ▲ Kinsey Cutoff
- ▲ Demossy Maccoevy Trail

▲ Site Location (trail segment no.)

SCALE 1:50,000
CONTOUR INTERVAL, 20 FEET
BASED ON MEAN SEA LEVEL

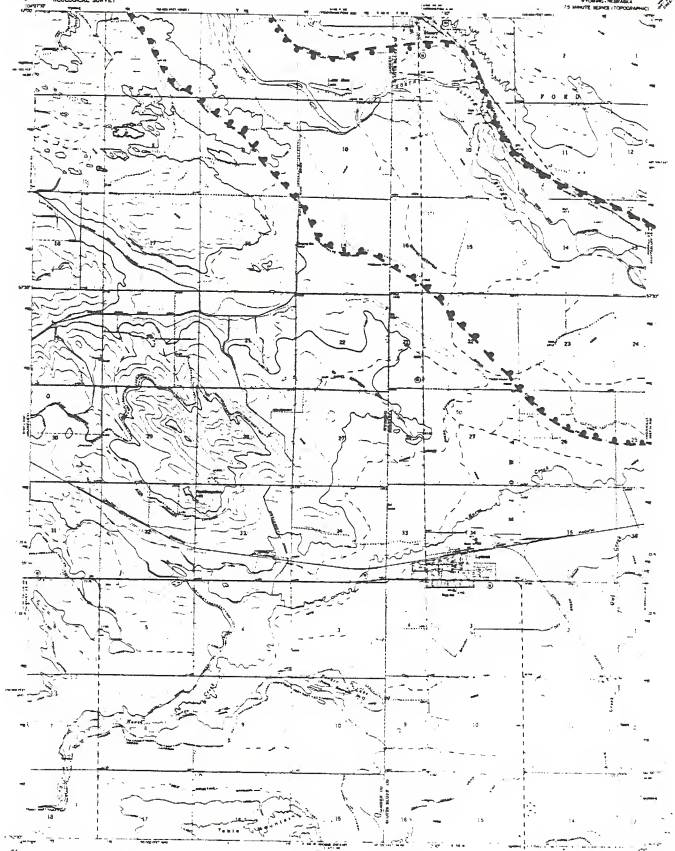
NOTE QUALIFICATION
Original Survey: 1870-1875
Revised Survey: 1900-1905
Published: 1910
Revised: 1950
Scale: 1:50,000

LITTLE ROUND MOUNTAIN, WYO.
1910
REVISED BY G. W. GARDNER, 1950

OR 15
DENVER 77457700

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LYMAN QUADRANGLE
WYOMING-NEBRASKA
1:50,000 SCALE (1:250,000)



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Slotte Creek Cutoff
- Horse Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Deming Hockaday Trail
- Site Location (trail segment no.)

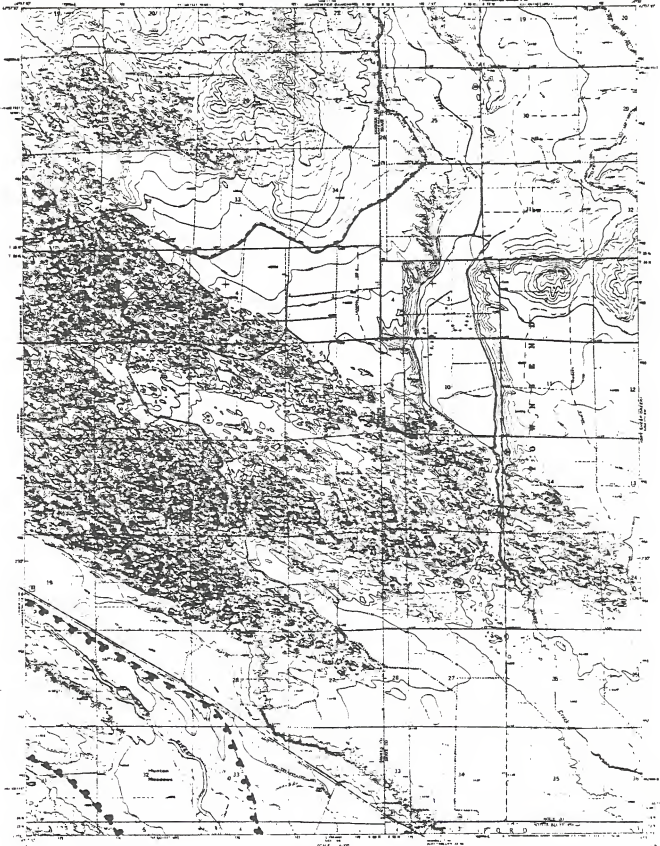
Scale 1:50,000
Vertical Exaggeration 10x
Horizontal Exaggeration 1x
Scale of Contours 1:50,000
Scale of Relief 1:50,000
Scale of Slopes 1:50,000
Scale of Aspect 1:50,000
Scale of Direction 1:50,000
Scale of Distance 1:50,000
Scale of Area 1:50,000
Scale of Volume 1:50,000
Scale of Mass 1:50,000
Scale of Weight 1:50,000
Scale of Length 1:50,000
Scale of Width 1:50,000
Scale of Height 1:50,000
Scale of Depth 1:50,000
Scale of Thickness 1:50,000
Scale of Circumference 1:50,000
Scale of Perimeter 1:50,000
Scale of Surface Area 1:50,000
Scale of Volume 1:50,000
Scale of Mass 1:50,000
Scale of Weight 1:50,000

THE GEOLOGICAL SURVEY
WASHINGTON, D. C.
1907
LITHO. NO. 1032
1:50,000 SCALE
1907

ORIGINAL POSITION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TORRINGTON 3E QUADRANGLE
BY TOWNSHIP
7.5 MINUTE SERIES (TOPOGRAPHIC)



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seneca Cutoff
- Lander Road
- Sublette Cutoff
- State Creek Cutoff
- Horns Fork Cutoff
- Black Fork Cutoff
- Kinney Cutoff
- Dempsey Hockaday Trail

▲ Site Location (trail segment no.)

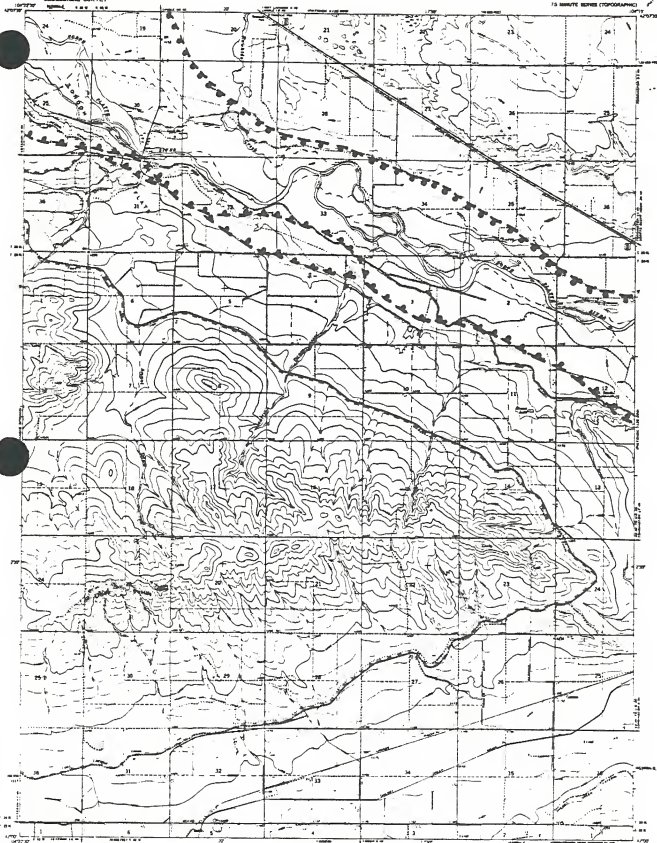
SCALE = 400
 1" = 400'
 1:40,000
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C.

ROAD CLASSIFICATION
 Main Road
 Branch Road
 Foot Road
 Path

THIS MAP SHOWS ONLY FEATURES THAT OCCUR IN PRESENT FORM
 FOR SALE BY U.S. GEOLOGICAL SURVEY, DISTRICT OFFICE, 1225 WEST 6TH AVENUE, DENVER, COLORADO 80202
 A LARGE STOCKING, BUREAU OF LAND MANAGEMENT, DENVER OFFICE, 1225 WEST 6TH AVENUE, DENVER, COLORADO 80202

TORRINGTON 3E, 4150-4152
 1964

1:40,000
 1964

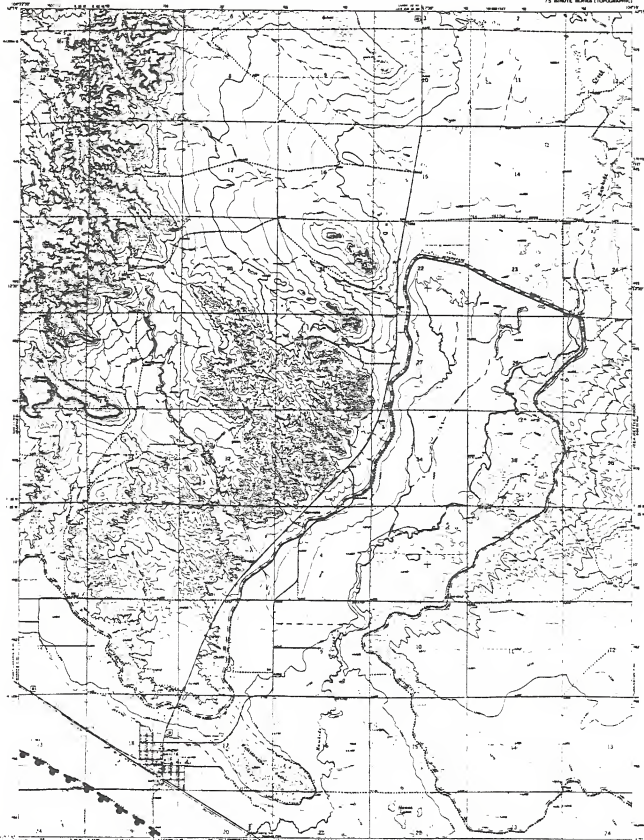


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Chief's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Hanna Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Demassey Hockaday Trail
- ▲ Site Location (trail segment no.)

SCALE 1:25,000
VERTICAL DATUM: 30 FEET
HORIZONTAL DATUM: UTM
UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C.

ROAD CLASSIFICATION
— 100 Feet
— 50 Feet
— 15 Feet

GOTTIER WYO
MADE 10/11/15



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Chis's Route
- ▲ Seminoe Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Slate Creek Cutoff
- ▲ Home Fork Cutoff
- ▲ Slopes Fork Cutoff
- ▲ Kinney Cutoff
- ▲ Dempsey Hoadaday Trail

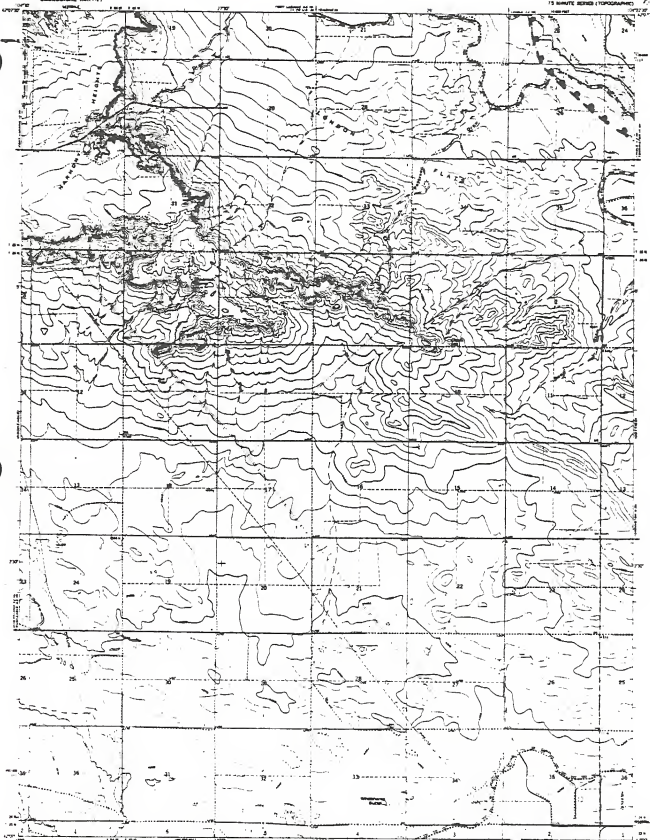
▲ Site Location (trail segment no.)

SCALE 1:62,500
1 INCH = 1 MILE
U.S. GEOLOGICAL SURVEY
WASHINGTON, D. C.

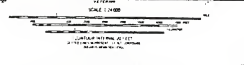
THIS MAP SHOWS THE ORIGINAL, UNALTERED TERRAIN
FROM DATA OF A 7.5-MINUTE, 1:62,500-SCALE TOPOGRAPHIC MAP OF THE LINCOLN QUADRANGLE, FURNACE-MOUNTAIN CO., WYOMING, U.S.G.S. 1907
A COLOR REPRODUCTION OF THIS MAP IS AVAILABLE ON REQUEST

PROJ. CLASSIFICATION
North Pole 0° 00' 00" N
Central Meridian 105° 00' 00" W
False Easting 500,000
False Northing 0

LINCOLN, WYO
1:62,500
1907



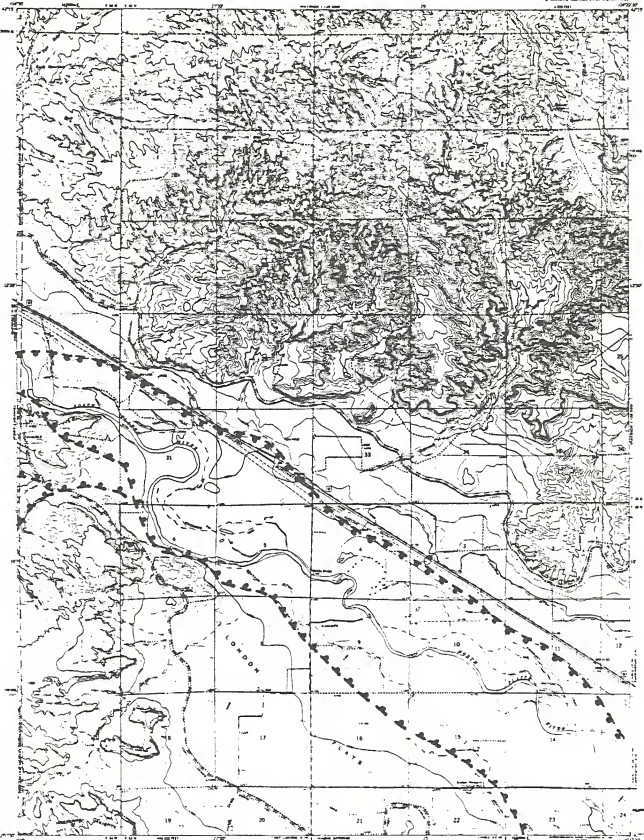
- Oregon Trail
 - Mormon Trail
 - Pony Express Route
 - Chief's Route
 - Seminoe Cutoff
 - Lander Road
 - Sublette Cutoff
 - Snake Creek Cutoff
 - Home Fork Cutoff
 - Black Fork Cutoff
 - Kinney Cutoff
 - Demosey Hockaday Trail
- ▲ Site Location (trav segment no.)



INDEX CLASSIFICATION
 100' 200' 300' 400' 500' 600' 700' 800' 900' 1000'
 1000' 1100' 1200' 1300' 1400' 1500' 1600' 1700' 1800' 1900' 2000'

THIS MAP IS A GEOLOGICAL SURVEY OF THE UNITED STATES DEPARTMENT OF THE INTERIOR
 AND IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE DIRECTOR

HARG SPRING, WYO
 1963



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Child's Route
- ▲ Sammie's Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Snake Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Blocks Fork Cutoff
- ▲ Kinsey Cutoff
- ▲ Demossey Hoadoday Trail

▲ Site Location (trail segment no.)

SCALE 1:50,000

1:50,000

1:50,000

1:50,000

1:50,000

1:50,000

1:50,000

1:50,000

1:50,000

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1:50,000

1:50,000

1:50,000

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1:50,000

1:50,000

FOR SALE BY U.S. GEOLOGICAL SURVEY, BARNES, WYO. (UNITED STATES DEPARTMENT OF THE INTERIOR, U.S.G.)

1:50,000

1:50,000

1:50,000

1:50,000

1:50,000

1:50,000

1:50,000

1:50,000

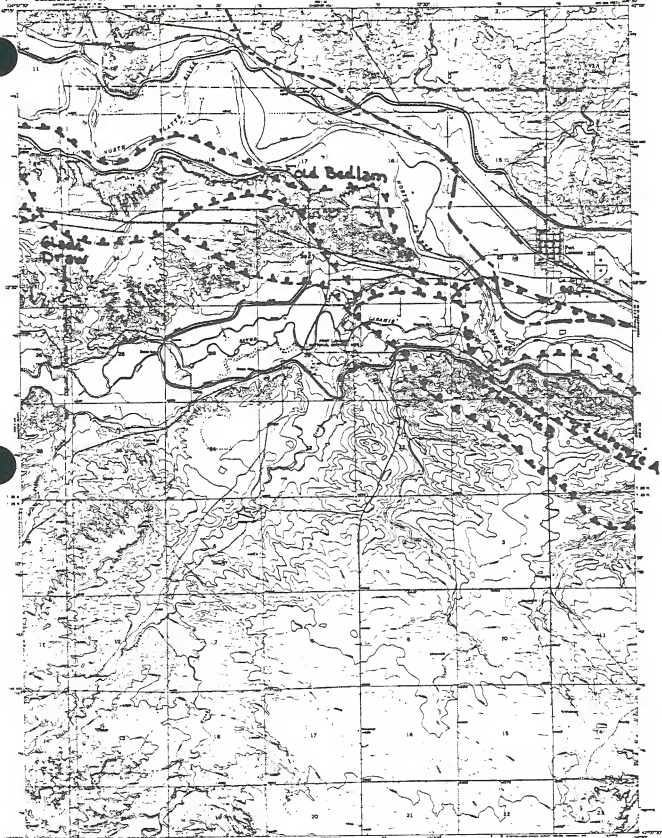
1:50,000

BARNES, WYO.

MAP BY U.S.G.

1900

U.S. GEOLOGICAL SURVEY
BARNES, WYO.



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Child's Route
- ▲ Sawneck Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Glette Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Blacks Fork Cutoff
- ▲ Kinney Cutoff
- ▲ Dempsey Hockaday Trail

▲ Site Location (trail segment no.)

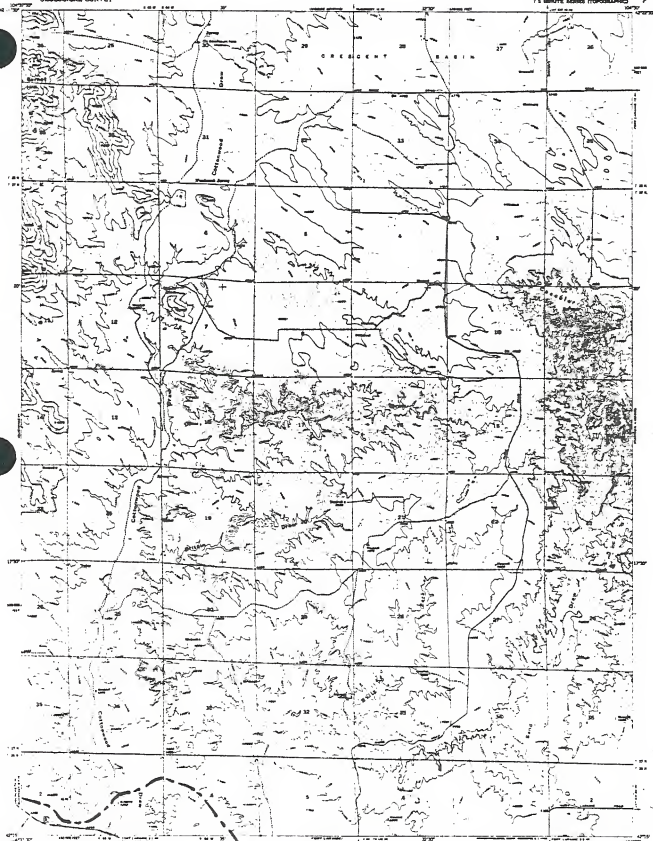
1:25,000
Vertical Datum: 1929
Horizontal Datum: NAD 83
Scale: 1 inch = 2500 feet
Projection: UTM
Zone: 12N
Datum: NAD 83
Units: Meter

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This map was prepared by the U.S. Geological Survey
under contract to the U.S. Geological Survey
under contract to the U.S. Geological Survey

FOOTNOTES:
1. This map is a derivative product of the original
photographic map and is not a true
photographic reproduction.
2. Contour lines are shown at 20-foot
intervals.
3. Contour lines are shown at 20-foot
intervals.

FOOTNOTES:
1. This map is a derivative product of the original
photographic map and is not a true
photographic reproduction.
2. Contour lines are shown at 20-foot
intervals.
3. Contour lines are shown at 20-foot
intervals.

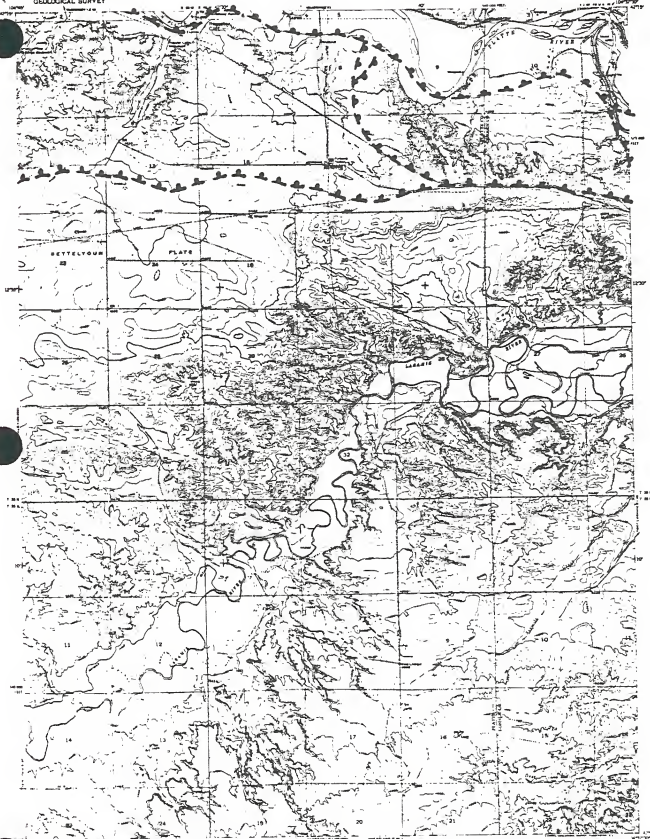
FOOTNOTES:
1. This map is a derivative product of the original
photographic map and is not a true
photographic reproduction.
2. Contour lines are shown at 20-foot
intervals.
3. Contour lines are shown at 20-foot
intervals.



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Samson Cutoff
- Lander Road
- Sublette Cutoff
- Slette Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey-Hockaday Trail
- ▲ Site Location (trail segment no.)

DATE: 1970
 CONTOUR INTERVAL, 20 FEET
 FROM 1:250,000 SCALE
 U.S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO 80219
 U.S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO 80219
 U.S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO 80219

ROAD CLASSIFICATION
 ————— UNIMPROVED
 ————— IMPROVED
 ————— UNIMPROVED
 ————— IMPROVED



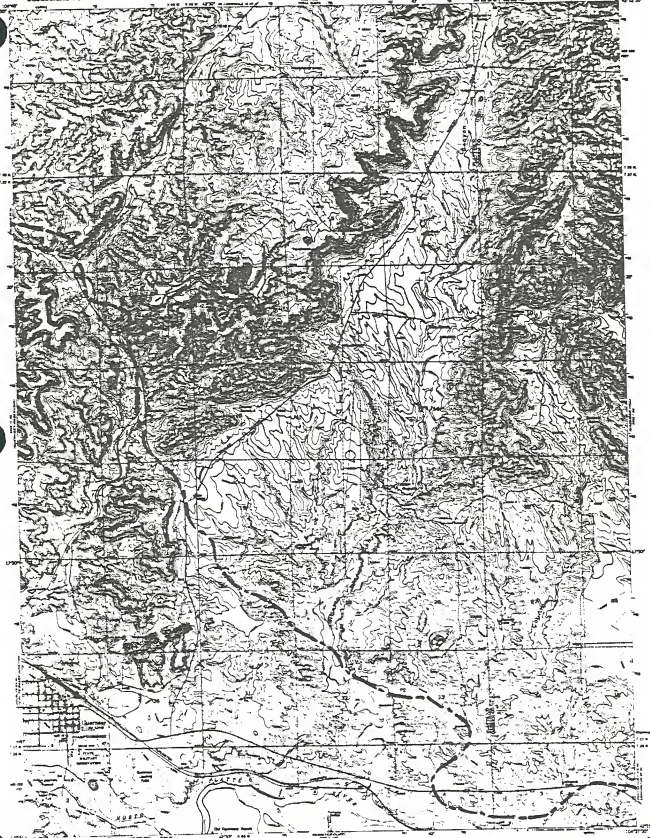
- Oregon Trail
- Mormon Trail
- Rome Elberts Route
- Child's Route
- Seminoe Cutoff
- Lander Riv.
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Backs Fork Cutoff
- Kinney Cutoff
- Emeryway Hardsay Trail
- Site Location (trail segment no.)

CONTOUR INTERVAL, 20 FEET
SCALE AS SHOWN ON TITLE

ROAD CLASSIFICATION
 NATIONAL HIGHWAY
 STATE HIGHWAY
 COUNTY ROAD
 PRIVATE ROAD
 1:25,000

REGISTER CLIFF WYO
 1957, REVISION 7-75

THIS MAP IS A GEOLOGICAL SURVEY TERRAZO QUADRANGLE QUADRANGLE OR QUADRANGLE IN 30 S. 11 T. 36 N. R. 10 W. (CONTOUR INTERVAL, 20 FEET) AND IS ONE OF A SERIES OF MAPS WHICH WILL BE PUBLISHED IN THE NEAR FUTURE.



- Dragon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sammie's Cutoff
- Lonzer Road
- Sublette Cutoff
- Stone Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey Heccey Trail

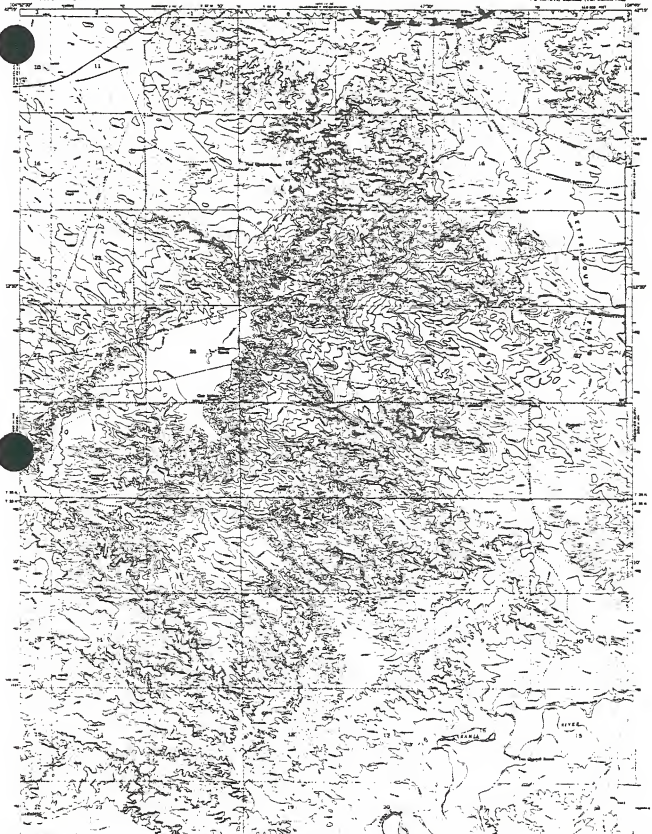
▲ (See 1 section trail section no.)

Scale 1:50,000
Horizontal Scale: 1 inch = 1 mile
Vertical Scale: 1 inch = 100 feet

ROAD CLASSIFICATION
 National Highway
 State Highway
 County Road
 Local Road

THIS MAP WAS PREPARED BY THE GEOLOGICAL SURVEY OF THE UNITED STATES UNDER AUTHORITY OF THE SECRETARY OF THE INTERIOR
 AND THE NATIONAL BUREAU OF GEOSURVEYING
 FROM THE DATA OF THE UNITED STATES GEOLOGICAL SURVEY AND THE NATIONAL BUREAU OF GEOSURVEYING
 AND FROM THE DATA OF THE NATIONAL BUREAU OF GEOSURVEYING

GUERNSEY WYO
 1887-1892
 1892-1893

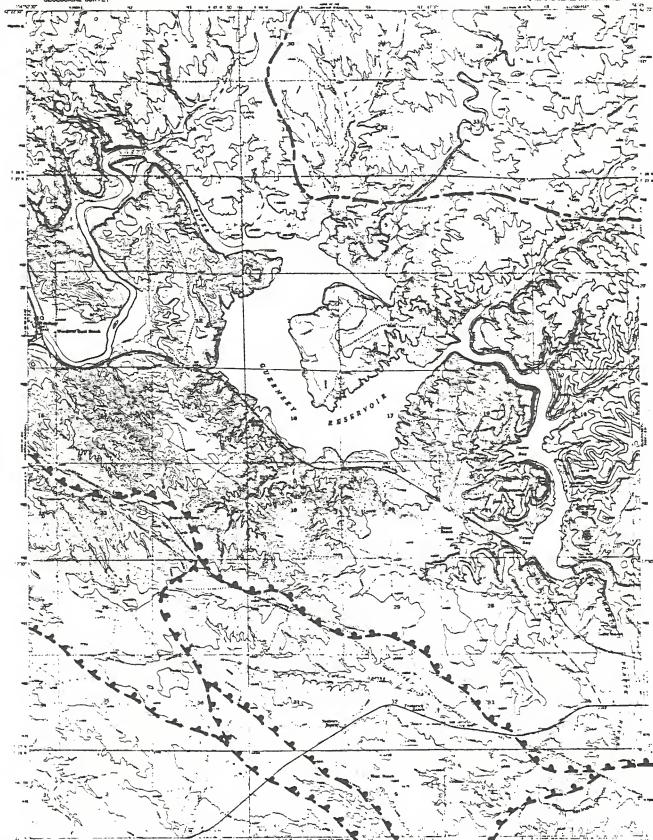


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Semence Cutoff
- Lander Road
- Sublette Cutoff
- Storie Creek Cutoff
- Hams Fork Cutoff
- Black's Fork Cutoff
- Kunsey Cutoff
- Demsey Macadady Trail

▲ Site Location (trail segment no.)

SCALE 1:50,000
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: NAD 83
SOURCE: 1:250,000 HYDROGRAPHIC MAPS
DATE: 1980
GEOLOGICAL SURVEY
UNITED STATES DEPARTMENT OF THE INTERIOR

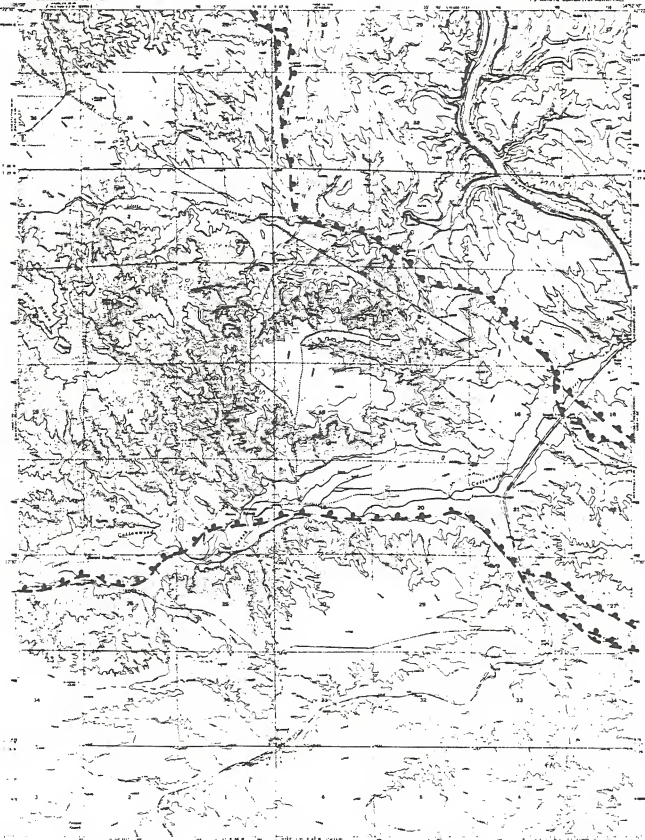
WHEATLAND NE, WYO
7.5 MINUTE SERIES
HYDROGRAPHIC CO.
1:50,000 SCALE



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Block Fork Cutoff
- Kinney Cutoff
- Dempssey Hockaday Trail
- ▲ Site Location (trail segment no.)

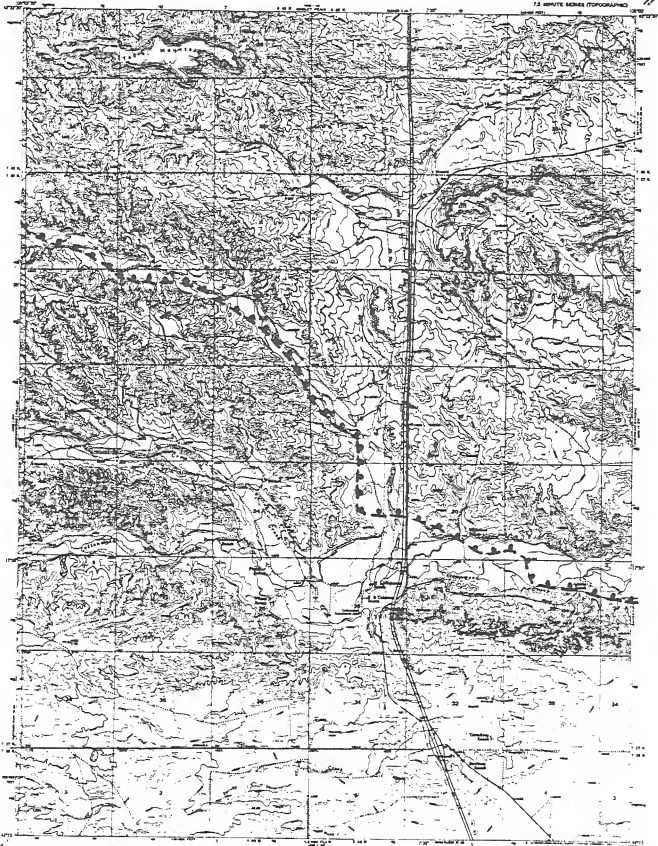
CENTRAL NATIONAL CO. 1927
GEOLOGICAL SURVEY, WASHINGTON, D. C.
THIS MAP IS PART OF A SERIES OF TOPOGRAPHIC MAPS OF THE UNITED STATES
PUBLISHED BY THE GEOLOGICAL SURVEY OF THE UNITED STATES

GUERNEY RESERVOIR 475
1:50,000
1927
GEOLOGICAL SURVEY



- ▲— Oregon Trail
 - ▲— Mormon Trail
 - ▲— Pony Express Route
 - ▲— Child's Route
 - ▲— Samsonee Cutoff
 - ▲— Lander Road
 - ▲— Sublette Cutoff
 - ▲— Snake Creek Cutoff
 - ▲— Horns Fork Cutoff
 - ▲— Blacks Fork Cutoff
 - ▲— Kinney Cutoff
 - ▲— Demsey Hecaday Trail
- ▲ Site Location (trail segment no.)

Scale 1:50,000
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20508
 HERMAN RANCH WYO



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Chad's Route
- ▲ Samson Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Siette Creek Cutoff
- ▲ Home Fork Cutoff
- ▲ Black Fork Cutoff
- ▲ Kinney Cutoff
- ▲ Dempsey Hockaday Trail

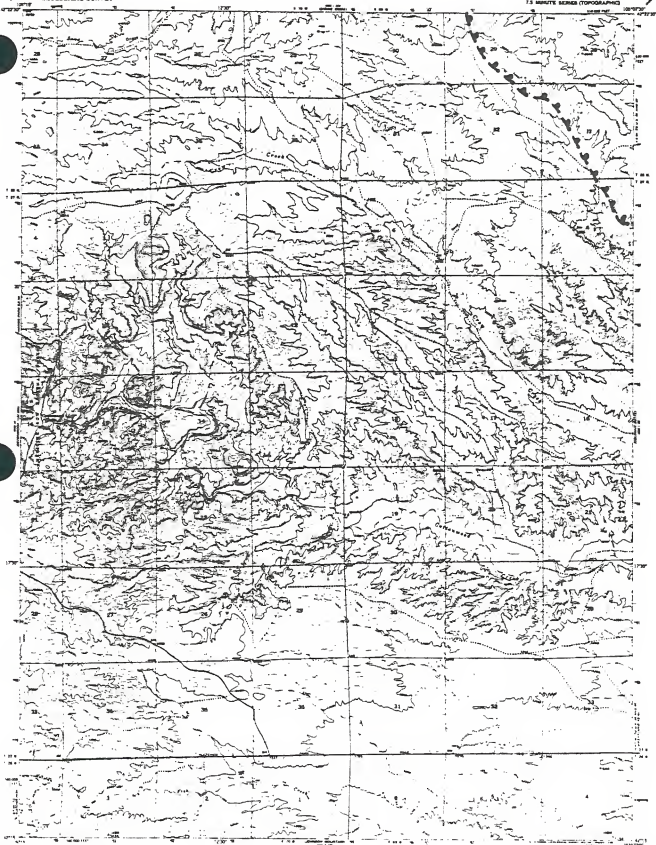
▲ Site Location (trail segment no.)



THIS MAP SHOWS THE BOUNDARY AND LOCATION OF THE
TOWNSEND-PLATE CO. QUADRANGLE, SERIES (TOPOGRAPHIC) 7.5
MINUTE SERIES, WHICH IS PART OF THE 7.5 MINUTE SERIES
AND IS NOT TO BE USED AS A BASIS FOR ANY OTHER PURPOSE.

NAME OF QUADRANGLE
Scale: 1 inch = 1 mile
Scale: 1 inch = 1 mile
Scale: 1 inch = 1 mile
Scale: 1 inch = 1 mile

COLEMAN BUTTE WYO
1:25,000 Scale
1911
U.S. GEOLOGICAL SURVEY



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Stone Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinsey Cutoff
- Dempsey Hecaday Trail

▲ Site Location (trail segment no.)

SCALE 1:25,000
Horizontal scale: 1 inch = 2,000 feet
Vertical scale: 1 inch = 200 feet
Elevation in feet
Contours in feet
Contours at 20-foot intervals
Contours at 10-foot intervals
Contours at 5-foot intervals
Contours at 2-foot intervals
Contours at 1-foot intervals

THE MAP SHOWS ONLY THE TERRAIN AND NOT THE LOCATION OF
THE BOUNDARIES OF THE STATES AND TERRITORIES OF THE UNITED STATES
THE BOUNDARIES OF THE STATES AND TERRITORIES OF THE UNITED STATES
ARE NOT GUARANTEED BY THE GEOLOGICAL SURVEY

ROCK CLIFF FORMS
Vertical Rock
Horizontal Rock
Overhanging Rock
Vertical Rock
Horizontal Rock
Overhanging Rock
Vertical Rock
Horizontal Rock
Overhanging Rock

COTTONWOOD FALLS WYO
14255-A (2017) 7.5
GEOLOGICAL SURVEY



SCALE 1:50,000

CONTOUR INTERVAL, 40 FEET
VERTICAL EXAGGERATION, 1000

FOR ROAD OR A ROADWAY, ROUTE MARKS INDICATE WIDTH OF ROADWAY. OTHER
ROAD MARKS INDICATE WIDTH OF ROADWAY OR ROADWAY

TO ORDER OR TO PURCHASE THIS PRODUCT FROM THE
GEOLOGICAL SURVEY, CONTACT THE NATIONAL CENTER FOR GEOLOGICAL INFORMATION

ROAD CLASSIFICATION

UNIMPROVED LOCAL ROAD
IMPROVED LOCAL ROAD
STATE ROAD
FEDERAL ROAD

HAUBHAR RANCH, WYO

14283 3 - (10-64) 7 1/2

RESTRICTIONS ON USE OF THIS PRODUCT

FOR A COMPLETE LIST OF RESTRICTIONS, SEE THE USER'S GUIDE TO THE 7 1/2-MINUTE SERIES TOPOGRAPHIC MAPS

FOR A COMPLETE LIST OF RESTRICTIONS, SEE THE USER'S GUIDE TO THE 7 1/2-MINUTE SERIES TOPOGRAPHIC MAPS

FOR A COMPLETE LIST OF RESTRICTIONS, SEE THE USER'S GUIDE TO THE 7 1/2-MINUTE SERIES TOPOGRAPHIC MAPS

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FOR A COMPLETE LIST OF RESTRICTIONS, SEE THE USER'S GUIDE TO THE 7 1/2-MINUTE SERIES TOPOGRAPHIC MAPS

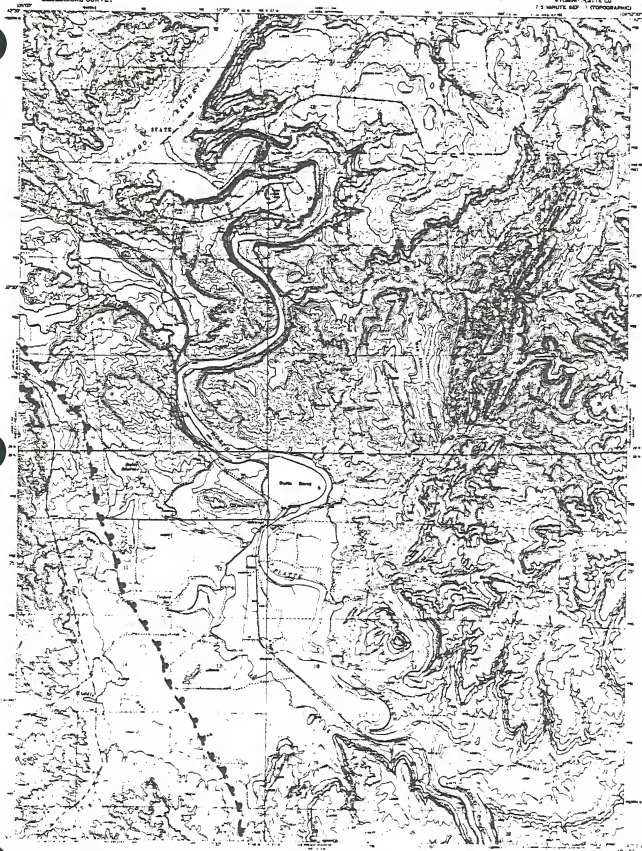
FOR A COMPLETE LIST OF RESTRICTIONS, SEE THE USER'S GUIDE TO THE 7 1/2-MINUTE SERIES TOPOGRAPHIC MAPS

FOR A COMPLETE LIST OF RESTRICTIONS, SEE THE USER'S GUIDE TO THE 7 1/2-MINUTE SERIES TOPOGRAPHIC MAPS

FOR A COMPLETE LIST OF RESTRICTIONS, SEE THE USER'S GUIDE TO THE 7 1/2-MINUTE SERIES TOPOGRAPHIC MAPS

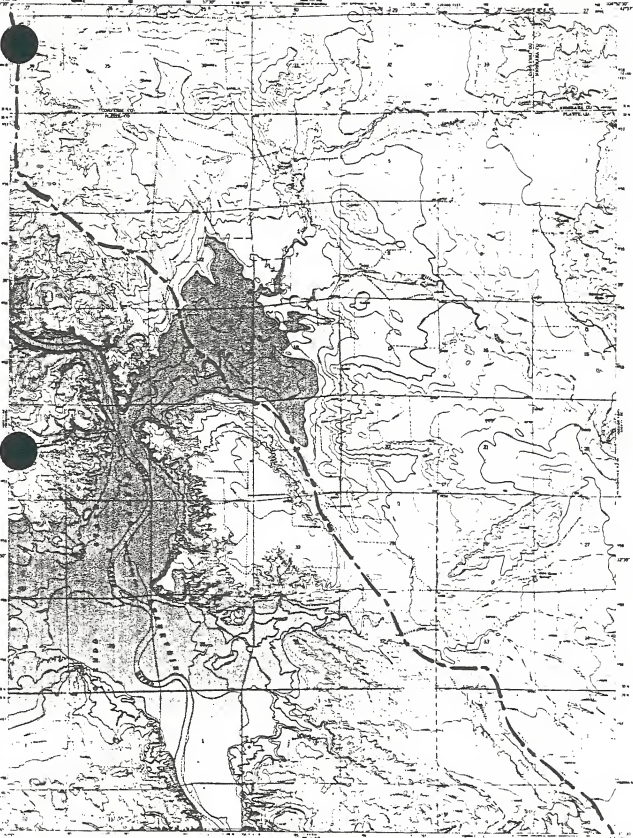
FOR A COMPLETE LIST OF RESTRICTIONS, SEE THE USER'S GUIDE TO THE 7 1/2-MINUTE SERIES TOPOGRAPHIC MAPS

- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Route
- Sublette Cutoff
- Snake Creek Cutoff
- Home Fork Cutoff
- Blocks Fork Cutoff
- Kinney Cutoff
- Dempsey-Horsaday Trail
- ▲ Site Location (trial segment no.)



- ▲— Site Location (trail segment no.)
- ▲— Dempsy Hoaday Trail
- ▲— Kinney Cutoff
- ▲— Black Fork Cutoff
- ▲— Horns Fork Cutoff
- ▲— Sublette Cutoff
- ▲— Snake Creek Cutoff
- ▲— Lander Road
- ▲— Seminoe Cutoff
- ▲— Child's Route
- ▲— Pony Express Route
- ▲— Mormon Trail
- ▲— Oregon Trail

Scale: 1 inch = 1 mile
 Vertical Exaggeration: 10x
 Contour Interval: 20 feet
 Elevation: 1000 feet
 Cassa, Wyo.
 U.S. Geological Survey



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Child's Route
- ▲ Seminoe Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ State Creek Cutoff
- ▲ Home Fork Cutoff
- ▲ Kinney Cutoff
- ▲ Deming McCaskey Trail

▲ Site Location (trail segment no.)

Scale: 1:62,500

Vertical Scale: 1" = 100'

Horizontal Scale: 1" = 1250'

Vertical Datum: Mean Sea Level

Horizontal Datum: NAD 83

Projection: UTM Zone 12N

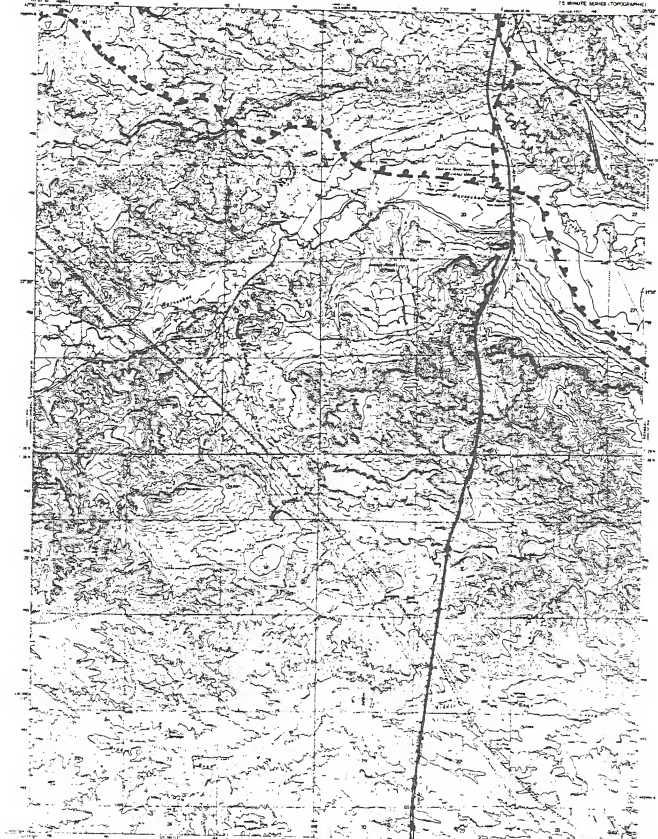
Map Classification: 1:62,500

JEWEL SPRINGS #170

1981

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Printed in the United States of America



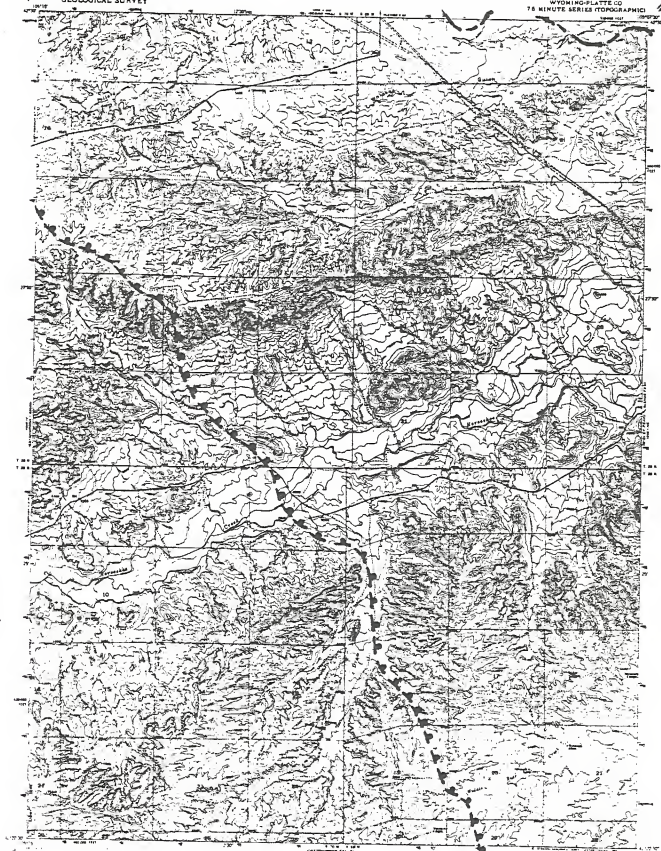
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey-Holiday Trail

▲ Site Location (trail segment no.)

SCALE 1:25000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20541

DATE OF ORIGINAL SURVEY 1880
 DATE OF REVISION 1963
 BY G. W. KILGUS, JR.

SIBLEY PEAK, WYO.
 10,000 FT. ELEVATION
 15 MINUTE SERIES TOPOGRAPHIC



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Sawnee Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Spotts Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dempsey Hecadedy Trail

▲ Site Location (trail segment no.)

NOTED: This map was prepared from the original topographic maps of the United States Geological Survey, and is not a reproduction of the original maps. It is a derivative work of the original maps and is not to be used for any purpose other than that for which it was prepared.

U.S. GEOLOGICAL SURVEY, WASHINGTON, D. C.

1910

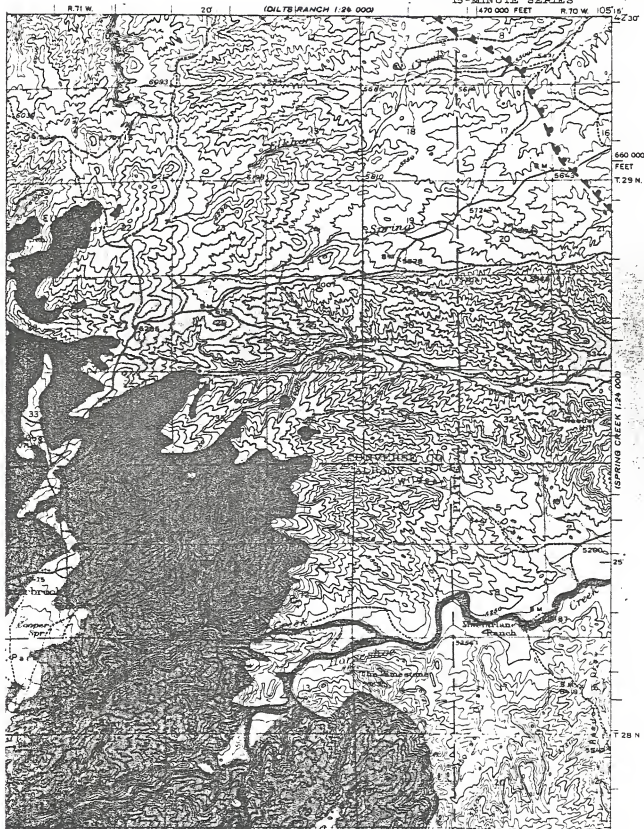
THE CLASSIFICATION
OF THIS MAP IS SUBJECT TO THE
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PURPOSE.

SPRING CREEK, WYO.

1910

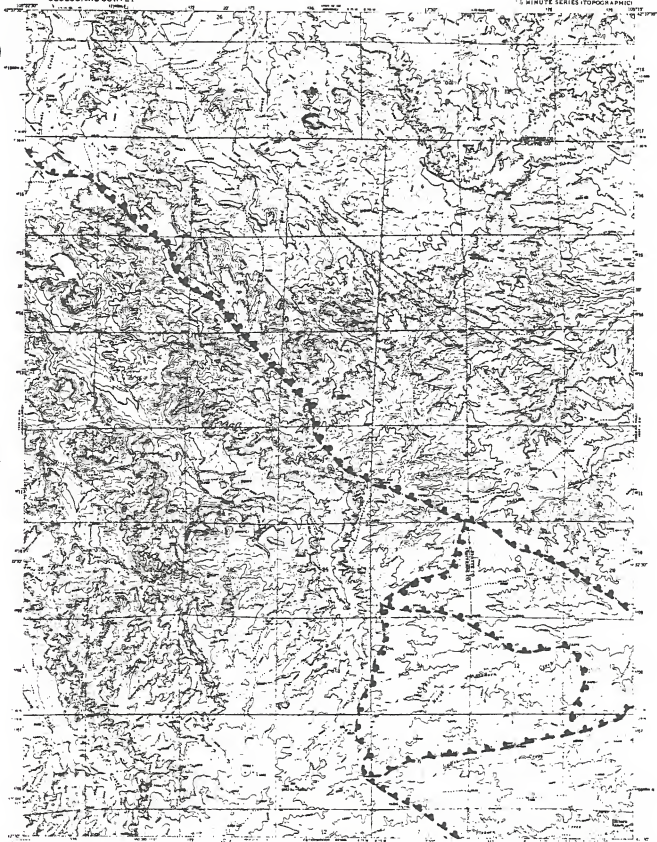
WYOMING
ESTERBROOK QUADRANGLE
15-MINUTE SERIES

CEDAR HILL
1:24,000



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Child's Route
- ▲ Seminoe Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Slate Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Blacks Fork Cutoff
- ▲ Kinney Cutoff
- ▲ Dempsey Macaday Trail
- ▲ Site Location (trail segment no.)

Esterbrook NE



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Semouse Cutoff
- Lander's Road
- Sublette Cutoff
- Slatre Creek Cutoff
- Horns Fork Cutoff
- Blocks Fork Cutoff
- Kinney Cutoff
- Dempsey moccasin Trail

▲ Site Location (trail segment no.)

SCALE 1:62,500
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C.

DILTS RANCH QUADRANGLE
 15 MINUTE SERIES (TOPOGRAPHIC)
 WORKING



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Samshee Cutoff
- ▲— Lander Pass
- ▲— Sublette Cutoff
- ▲— Slate Creek Cutoff
- ▲— Howe Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Danney-Hecaday Trail

▲ Site Location (trail segment no.)

SCALE 1:50,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20540
 1967
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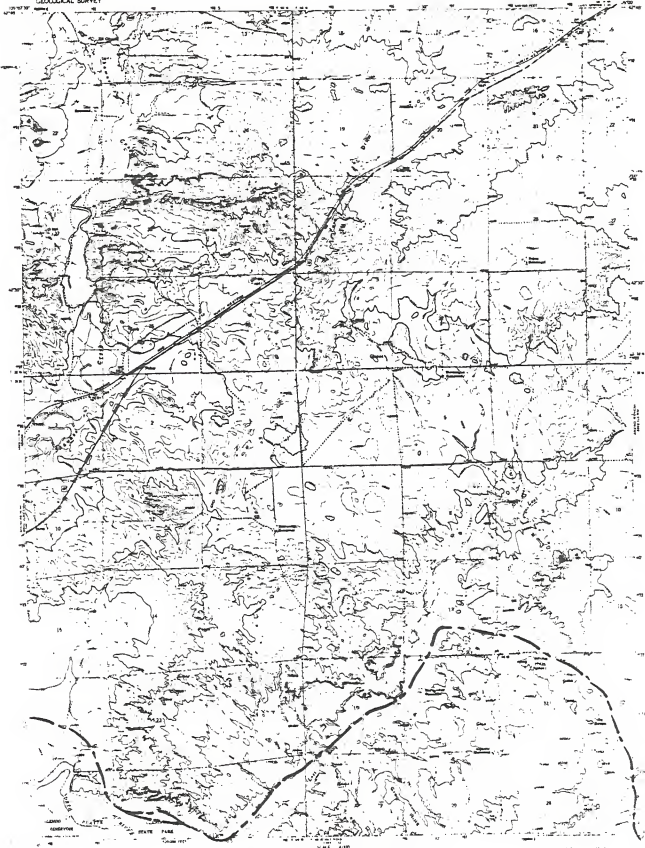
ROAD CLASSIFICATION
 Major National Highway
 National Highway
 State Highway
 County Road
 Local Road
 Unimproved Road
 Footpath
 Trail
 Other

GLENDON 7.5
 U.S. GEOLOGICAL SURVEY
 RESTON, VIRGINIA 20192

SECTIONAL ILLUSTRATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SHAWNEE QUADRANGLE
47° 00' N. LONGITUDE 102°
15 MINUTE SERIES (TOPOGRAPIHIC)



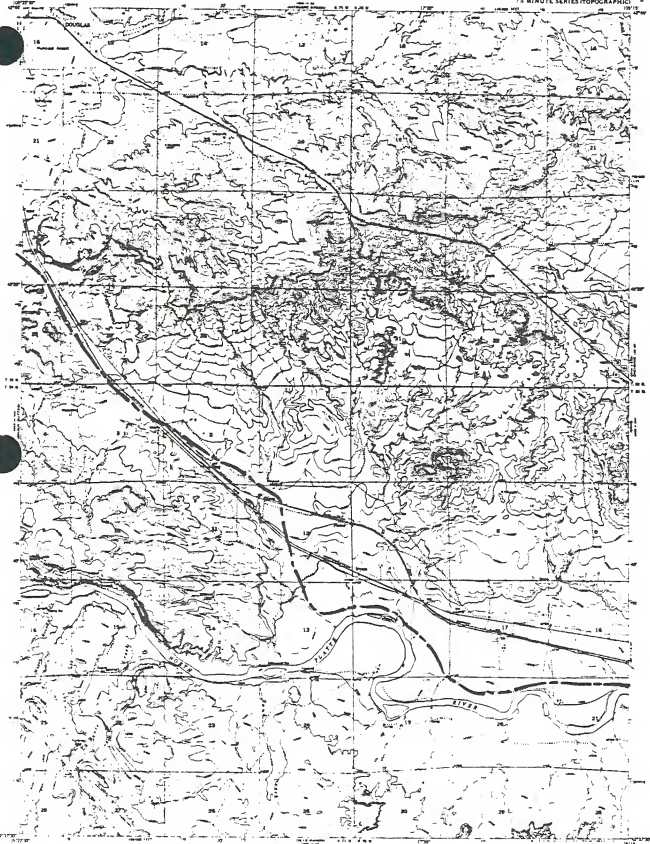
- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Chad's Route
- ▲— Seminole Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slatte Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Black Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dempsey McCorday Trail

▲ Site Location (trail segment no.)

NEARLY VERTICAL DOTTED LINE
INDICATES SECTIONAL ILLUSTRATION

FOR SALE BY U.S. GEOLOGICAL SURVEY, DEPARTMENT OF THE INTERIOR, WASHINGTON, D. C.
1:25,000 SCALE (ORIGINAL REDUCED FROM 1:62,500 SCALE)

SHAWNEE 472



SCALE 1:25,000

ROAD CLASSIFICATION

1st class

2nd class

3rd class

4th class

5th class

6th class

7th class

8th class

9th class

10th class

11th class

12th class

13th class

14th class

15th class

- Oregon Trail
- Mormon Trail
- Pony Express Route
- Chief's Route
- Semous Cutoff
- Lander Road
- Sublette Cutoff
- State _____ as Cutoff
- Horns Fork Cutoff
- Bricks Fork Cutoff
- Kinney Cutoff
- Denney McCaddy Trail

▲ Site Location (trail segment no.)

U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C. 20509
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IRVINE WYO

1987

1:25,000

1987

1987

1987

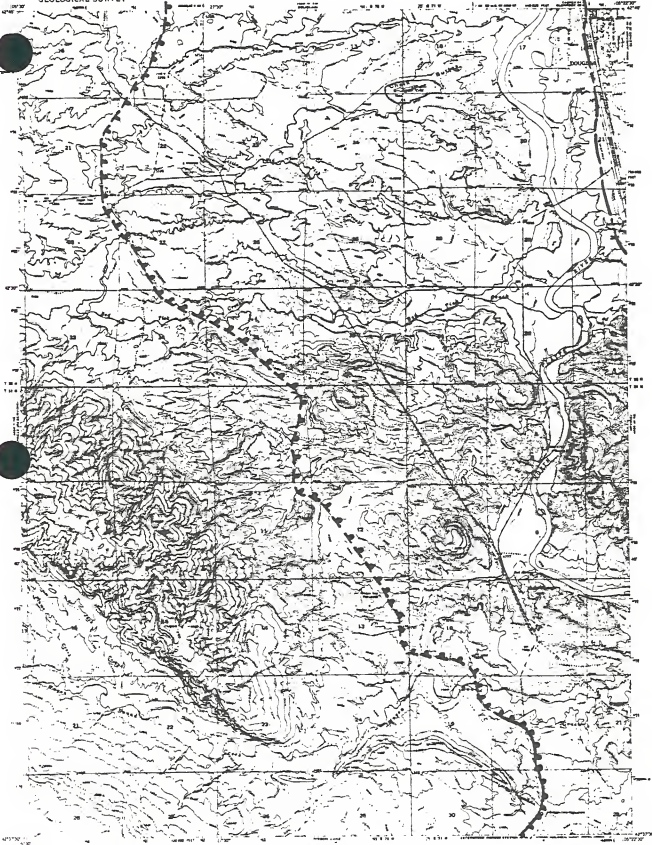
1987

1987

1987

1987

1987



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Chis's Route
- Seminoe Cutoff
- Lander Road
- Sabierre Cutoff
- Slate Creek Cutoff
- Horns Fork Cutoff
- Bixbee Fork Cutoff
- Kinney Cutoff
- Dempsey Macoddy Trail
- ▲ Site Location (trail segment no.)

1:25,000
 1:50,000
 1:100,000
 1:200,000
 1:500,000
 1:1,000,000
 1:2,000,000
 1:5,000,000
 1:10,000,000
 1:25,000,000
 1:50,000,000
 1:100,000,000
 1:200,000,000
 1:500,000,000
 1:1,000,000,000

CHALK BUTTES WYO
 14217 5-10-1922 5/15
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D.C.

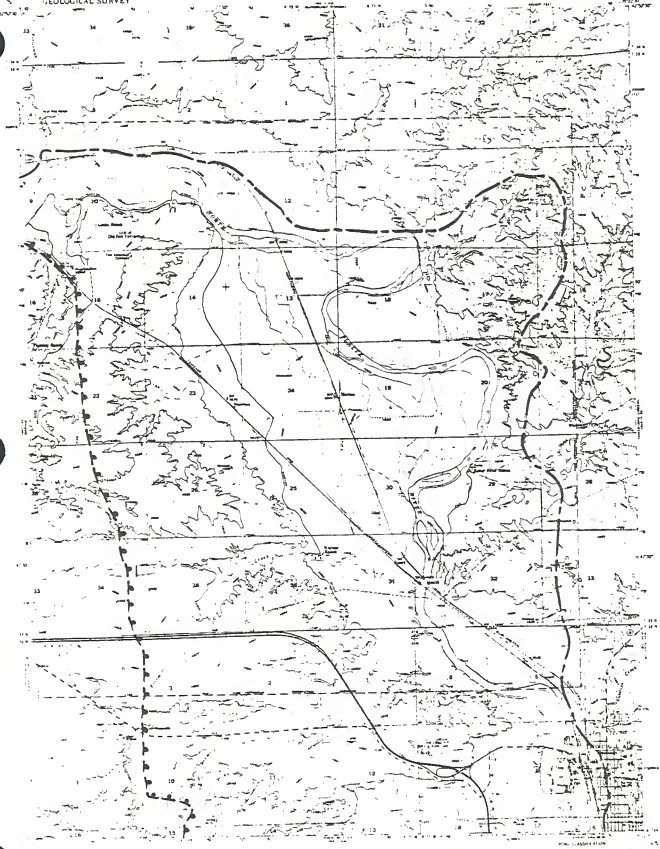


- Oregon Trail
- Mormon Trail
- Snow Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horse Fork Cutoff
- Blacks Fork Cutoff
- Limber Cutoff
- Dempsey-Hocaday Trail

▲ Site Location (trail segment no.)

SCALE 1:50,000
LA PHELE RESERVOIR, WYO
1911

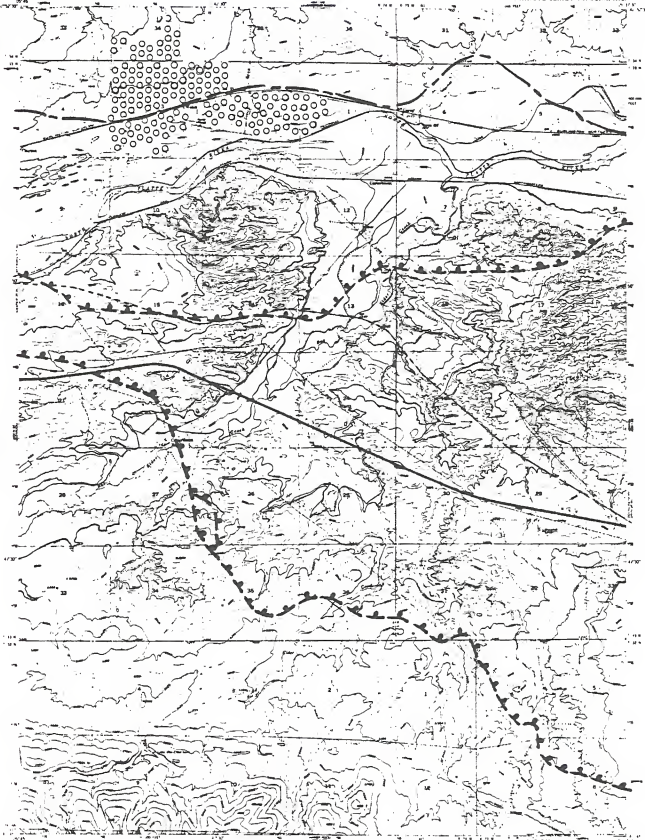
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- Oregon Trail
- Mormon Trail
- Ferry Express Route
- Child's Route
- Gamma Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Big Horn Cutoff
- Kinney Cutoff
- Dempsey-Hoadley Trail
- ▲ Site Location (trail segment no.)

Scale 1:62,500
 Contour Interval 20 Feet
 Elevation in Feet
 1000 2000 3000 4000 5000
 6000 7000 8000 9000 10000
 11000 12000 13000 14000 15000
 16000 17000 18000 19000 20000
 21000 22000 23000 24000 25000
 26000 27000 28000 29000 30000
 31000 32000 33000 34000 35000
 36000 37000 38000 39000 40000
 41000 42000 43000 44000 45000
 46000 47000 48000 49000 50000
 51000 52000 53000 54000 55000
 56000 57000 58000 59000 60000
 61000 62000 63000 64000 65000
 66000 67000 68000 69000 70000
 71000 72000 73000 74000 75000
 76000 77000 78000 79000 80000
 81000 82000 83000 84000 85000
 86000 87000 88000 89000 90000
 91000 92000 93000 94000 95000
 96000 97000 98000 99000 100000

U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20508
 1967
 1:62,500
 1967
 1:62,500
 1967



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Civil's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Slotie Creek Cutoff
- Horns Fork Cutoff
- Black's Fork Cutoff
- Kinney Cutoff
- Dempsay Hoadaday Trail

▲ Site Location (trail segment no.)

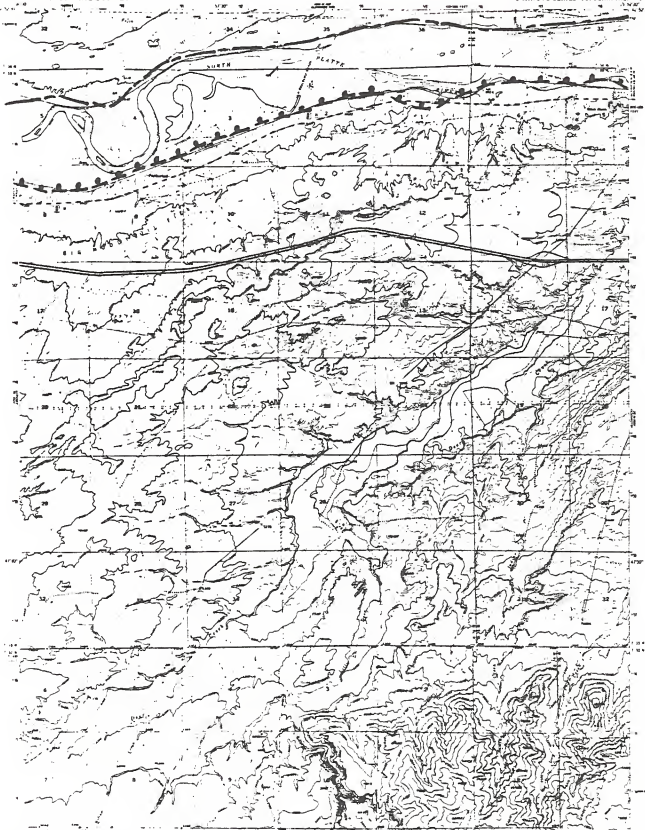
NATURAL VERTICAL SCALE
HORIZONTAL SCALE
VERTICAL SCALE

CAREYHURST WYO

1885

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PARKERTON QUADRANGLE
WYOMING SURVEY NO. 112
30-MINUTE SERIES (TOPOGRAPHIC)



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Chief's Route
- ▲ Seminoe Cutoff
- ▲ Lander Road
- ▲ Sabette Cutoff
- ▲ Snake Creek Cutoff
- ▲ Hays Fork Cutoff
- ▲ Black Fork Cutoff
- ▲ Kinney Cutoff
- ▲ Demossy Hockaday Trail
- ▲ Site Location (trail segment no.)

VERTICAL INTERVAL OF 10 FEET

U.S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20508
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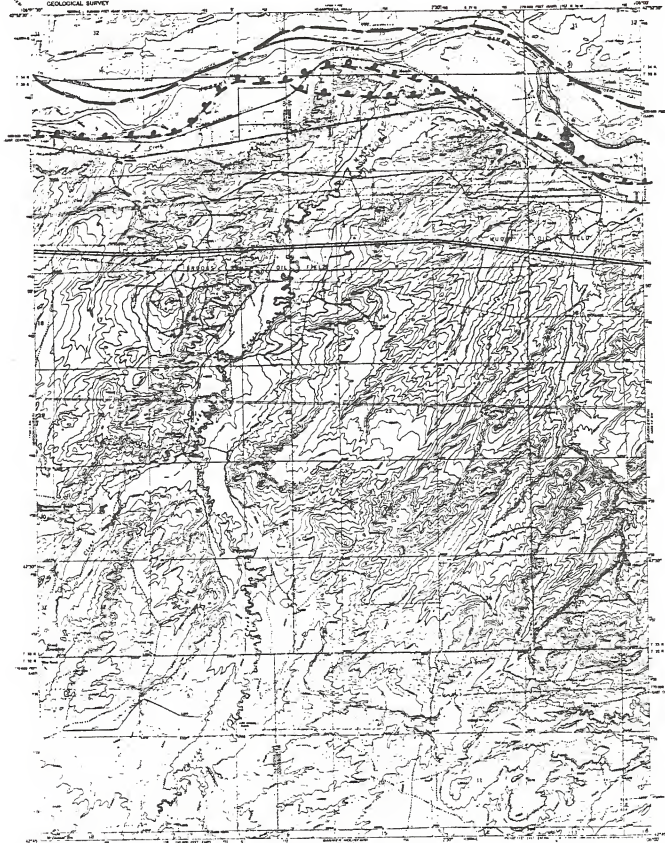
NOTE: Additional information concerning this map is available from the National Technical Information Service, Springfield, Virginia 22161.

PARKERTON, WYO.

SCALE 1:50,000

PROCESSED BY THE NATIONAL ARCHIVES

REF ID: A66000



- +—+— Oregon Trail
- +—+— Mormon Trail
- +—+— Pony Express Route
- +—+— Child's Route
- +—+— Seminoe Cutoff
- +—+— Lander Road
- +—+— Sublette Cutoff
- +—+— Snake Creek Cutoff
- +—+— Horns Fork Cutoff
- +—+— Blacks Fork Cutoff
- +—+— Kinney Cutoff
- +—+— Dempssey Moccaday Trail

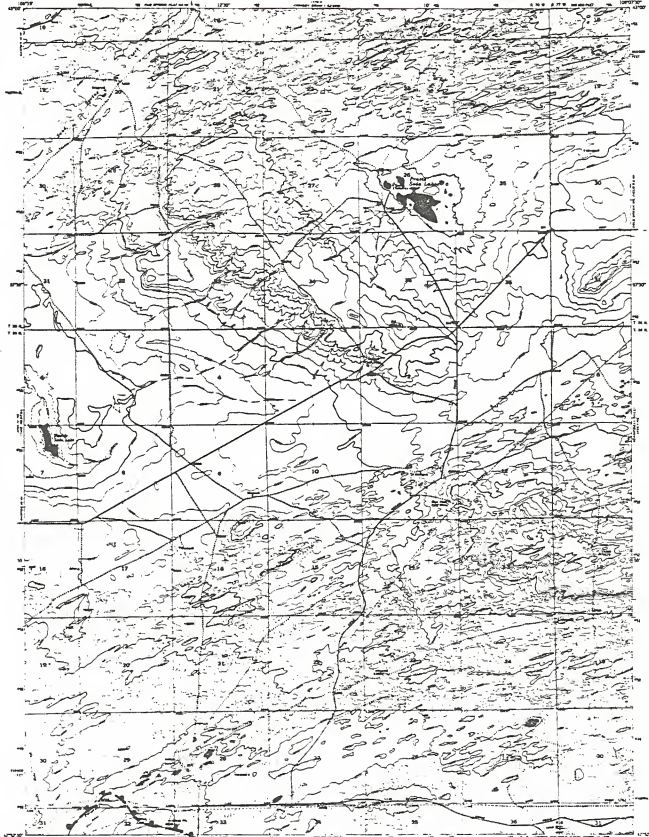
▲ Site Location (trail segment no.)

SCALE 1:50,000
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: NAD 83
SOURCE: U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C.

ROAD CLASSIFICATION
Main Road —+—+—
Secondary Road —+—+—
Tributary Road —+—+—
Private Road —+—+—

THIS MAP SHOWS ONLY THE GENERAL LOCATION OF THE SITES AND DOES NOT GUARANTEE THE ACCURACY OF THE LOCATION DATA.
FOR MORE INFORMATION, CONTACT THE GEOLOGICAL SURVEY, WASHINGTON, D.C.

LOCKETT, WYO
1:50,000
1987



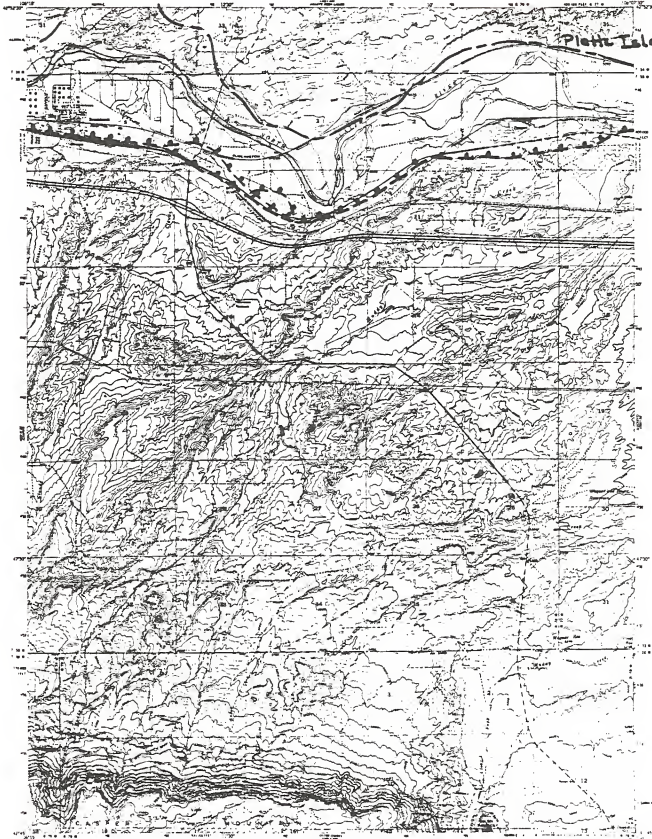
SCALE 1:250,000

ROAD CLASSIFICATION

—▲—▲—▲—	Oregon Trail	—▲—▲—▲—	Site Location (trail segment no.)
—▲—▲—▲—	Mormon Trail		
—▲—▲—▲—	Pony Express Route		
—▲—▲—▲—	Child's Route		
—▲—▲—▲—	Siemore Cutoff		
—▲—▲—▲—	Ladder Road		
—▲—▲—▲—	Sublette Cutoff		
—▲—▲—▲—	Slate Creek Cutoff		
—▲—▲—▲—	Horns Fork Cutoff		
—▲—▲—▲—	Black's Fork Cutoff		
—▲—▲—▲—	Kinney Cutoff		
—▲—▲—▲—	Dempsey Hockaday Trail		

FOR SALE BY U. S. GEOLOGICAL SURVEY (SHOWS COLORADO STATE OR MONTANA TERRITORY BOUNDARIES)
A ROAD INFORMATION COMPANION TO THE PRATTS SODA LAKES QUADRANGLE

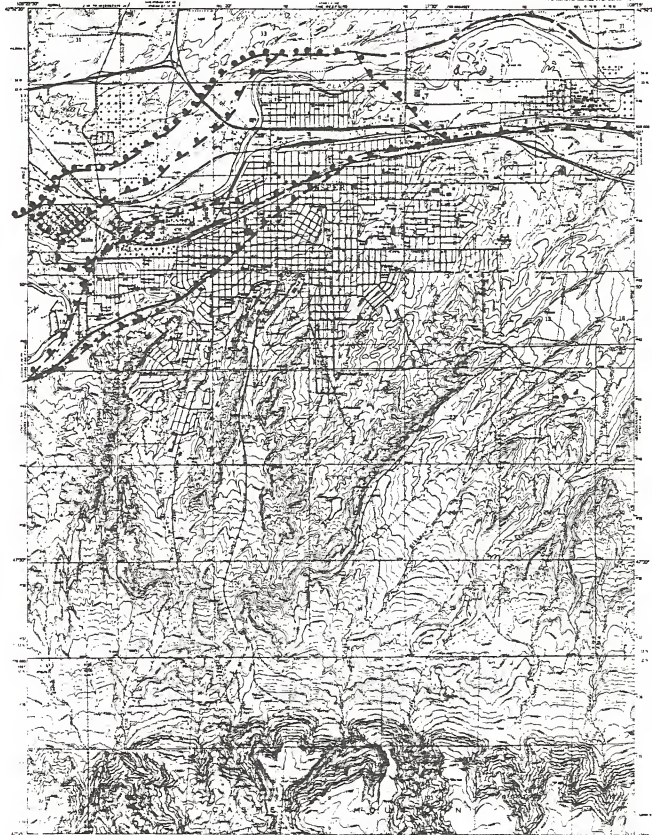
PRATTS SODA LAKES WYO
SCALE 1:250,000
DATE 1967
G.S. 1000-1000-1000



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Seminoe Cutoff
- ▲— Lander Route
- ▲— Sublette Cutoff
- ▲— Stone Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Brocks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dansey-Hocaday Trail

▲ Site Location (trail segment no.)

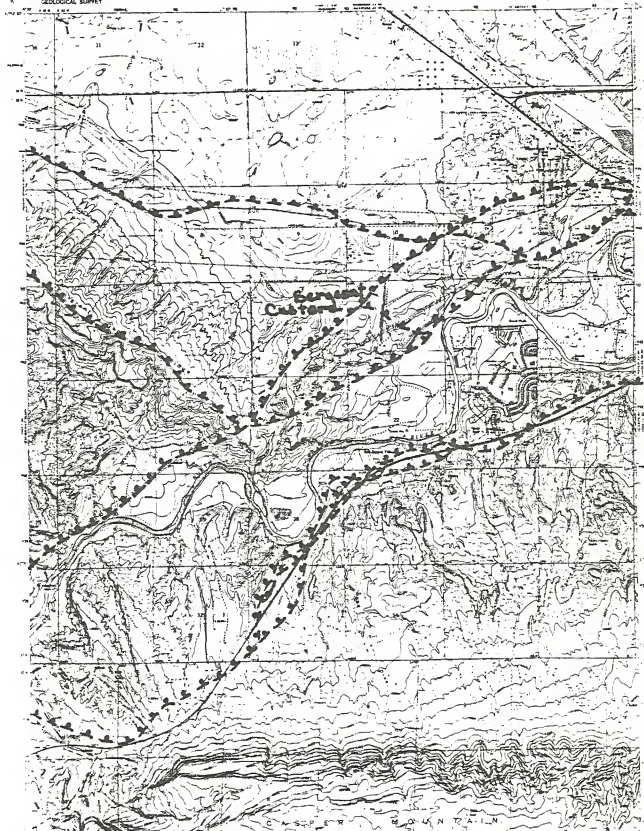
Scale 1:62,500
Vertical Exaggeration 10x
Horizontal Exaggeration 1x
Projection: Transverse Mercator
Datum: North American Datum of 1983
Units: Feet
Contour Interval: 20 Feet
Spot Elevation Interval: 5 Feet
Elevation Above Mean Sea Level
Meters: 1:62,500
Vertical Exaggeration: 10x
Horizontal Exaggeration: 1x
Projection: Transverse Mercator
Datum: North American Datum of 1983
Units: Meters
Contour Interval: 20 Meters
Spot Elevation Interval: 5 Meters
Elevation Above Mean Sea Level



- Oregon Trail
 Mormon Trail
 Pony Express Route
 Child's Route
 Seminoe Cutoff
 Lander Road
 Sublette Cutoff
 Snake Creek Cutoff
 Horns Fork Cutoff
 Becks Fork Cutoff
 Kinney Cutoff
 Demsey-Hocaday Trail
 Site Location (trail segment no.)

SCALE 1:50,000
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20540
 1967

METERS
 FEET
 1:50,000
 1:250,000
 1:500,000
 1:1,000,000
 1:2,000,000
 1:5,000,000
 1:10,000,000
 1:25,000,000
 1:50,000,000
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 1:250,000,000
 1:500,000,000
 1:1,000,000,000

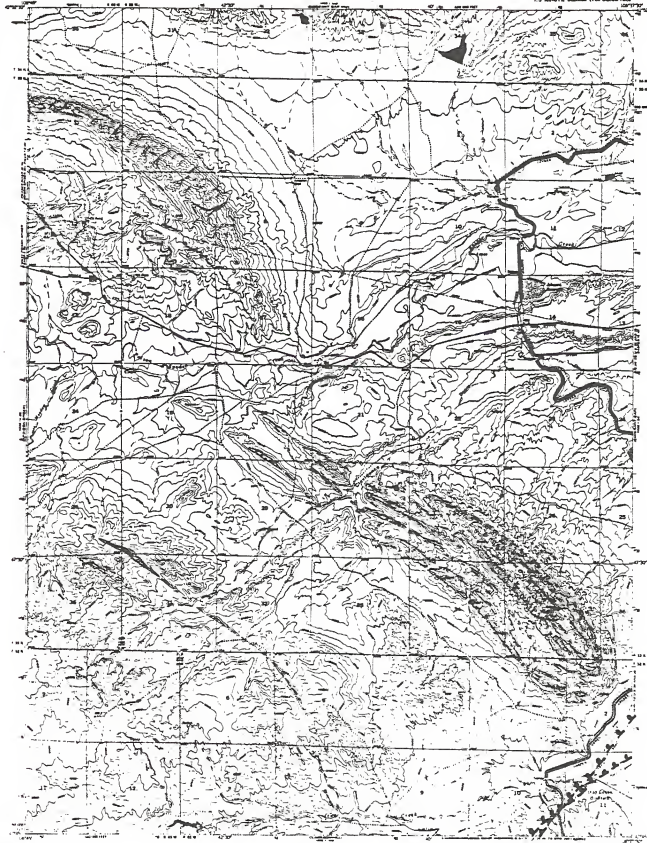


**Eastern
Cutoff**

- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Bernard Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— State Creek Cutoff
- ▲— Horn's Fork Cutoff
- ▲— Black's Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demsey Hockaday Trail
- ▲ Site Location (trail segment no.)

SCALE 1:25,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20540

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 PHOTOGRAPHED BY THE U.S. GEOLOGICAL SURVEY FROM AERIAL PHOTOGRAPHS TAKEN IN 1954.
 PHOTOGRAPHED BY THE U.S. GEOLOGICAL SURVEY FROM AERIAL PHOTOGRAPHS TAKEN IN 1954.



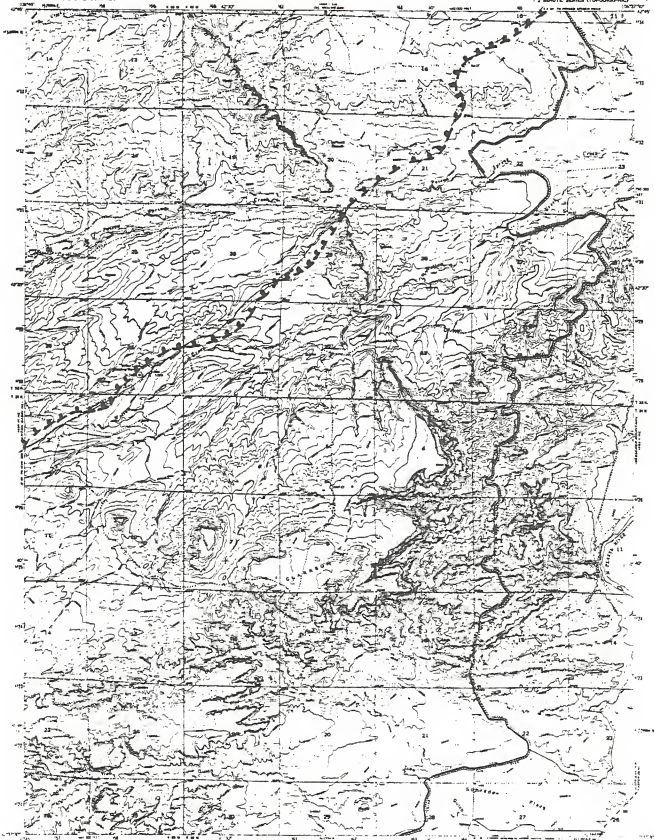
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Slope Creek Cutoff
- Home Fork Cutoff
- Kinney Cutoff
- Dempsey Heccey Trail
- ▲ Site Location (trail segment no.)

ONE INCH = 4000 FEET
VERTICAL INTERVAL, 10 FEET
SCALE AS SHOWN

FOR SALE BY THE GEOLOGICAL SURVEY THROUGH THE NATIONAL BUREAU OF GEOSCIENCE, 413 RAYBURN BUILDING, WASHINGTON, D. C. 20548
* THIS MAP IS AVAILABLE THROUGH THE NATIONAL BUREAU OF GEOSCIENCE, 413 RAYBURN BUILDING, WASHINGTON, D. C. 20548

ROAD CLASSIFICATION
Main Road
Secondary Road
Tertiary Road
Quaternary Road
Other Road

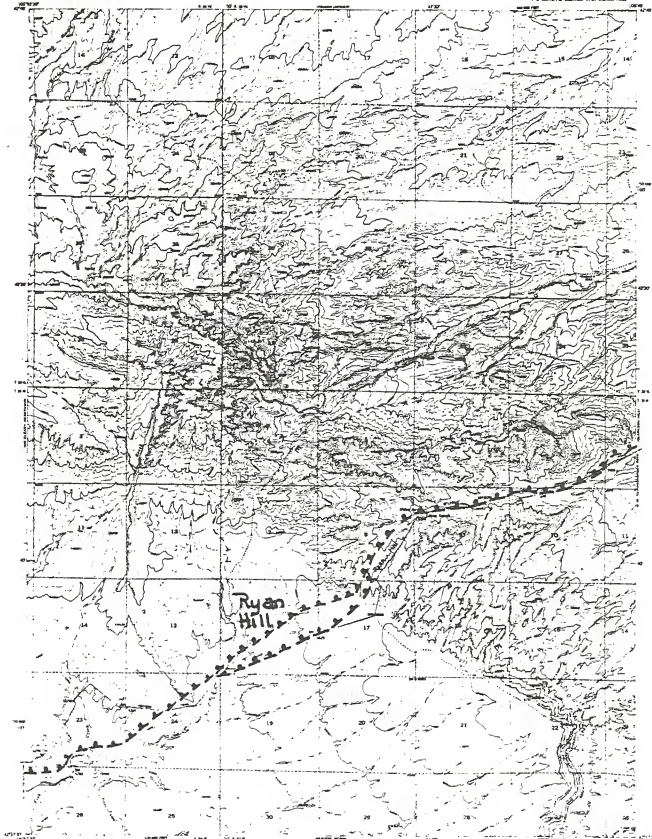
OIL MOUNTAIN WYO
NO. 45 (REV. 12/77)
1961



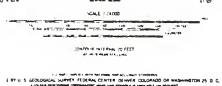
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Chief's Route
- Seminoe Cutoff
- Lander Road
- Sabette Cutoff
- Starke Creek Cutoff
- Home Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Demsey Hockaday Trail
- ▲ Site Location (trail segment no.)

Scale 1:50,000
 U.S. GEOLOGICAL SURVEY, CLARKSON HILL QUADRANGLE, SPRINGFIELD, MISSOURI, 1902
 (Revised and corrected by the U.S. Geological Survey, 1902)

CLARKSON HILL, MO
 1902



- Trail symbols and abbreviations as per Geographical Names
- ▲— Oregon Trail
 - ▲— Mormon Trail
 - ▲— Pony Express Route
 - ▲— Child's Route
 - ▲— Seminoe Cutoff
 - ▲— Lander Road
 - ▲— Sublette Cutoff
 - ▲— Snake Creek Cutoff
 - ▲— Horse Fork Cutoff
 - ▲— Blocks Fork Cutoff
 - ▲— Kinneav Cutoff
 - ▲— Dempsey Meccadorry Trail
- ▲ Site Location (trail segment no.)



ADDITIONAL INFORMATION

Vertical datum: Mean Sea Level (MSL)

Horizontal datum: North American Datum of 1983 (NAD 83)

Projection: UTM Zone 12N

Units: Meters

U.S. GEOLOGICAL SURVEY, FEDERAL CENTER, RESTON, VIRGINIA 20192

© 1983 U.S. GEOLOGICAL SURVEY. FEDERAL CENTER, RESTON, VIRGINIA 20192

BENTON BASIN NE 410

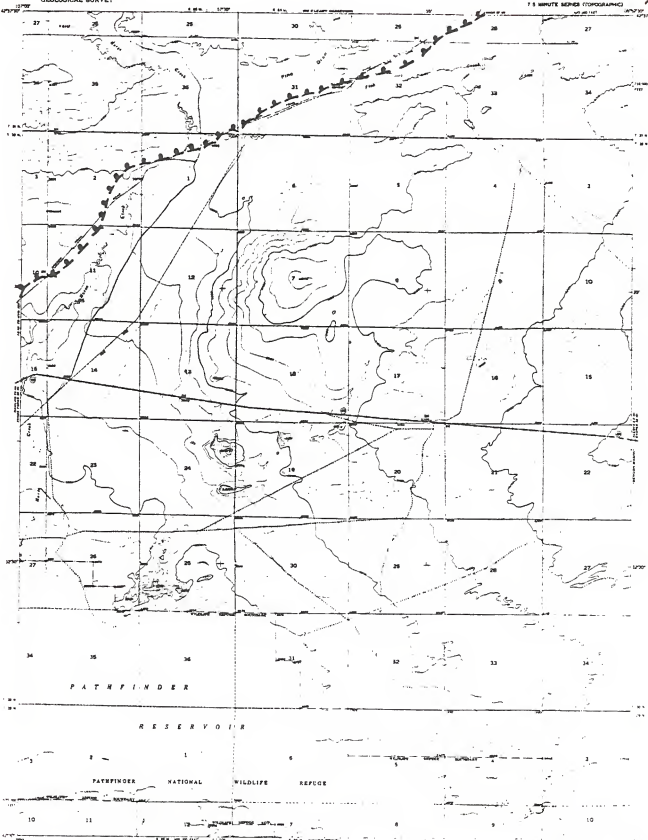
1:50,000



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's House
- ▲— Seminoe Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Snake Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Black Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dempsey-Hocaday Trail
- ▲ Site bottom (trail segment no.)

UNITLET and REE, 1917
WYOMING-MONTANA CO
SCALE OF 1:50,000 (PARTIAL)
* MADE BY U. S. GEOLOGICAL SURVEY, BUREAU OF GEOGRAPHIC NAMES, UNDER THE SUPERVISION OF C. S. JONES
1:50,000 (PARTIAL)
© U. S. GEOLOGICAL SURVEY, 1917

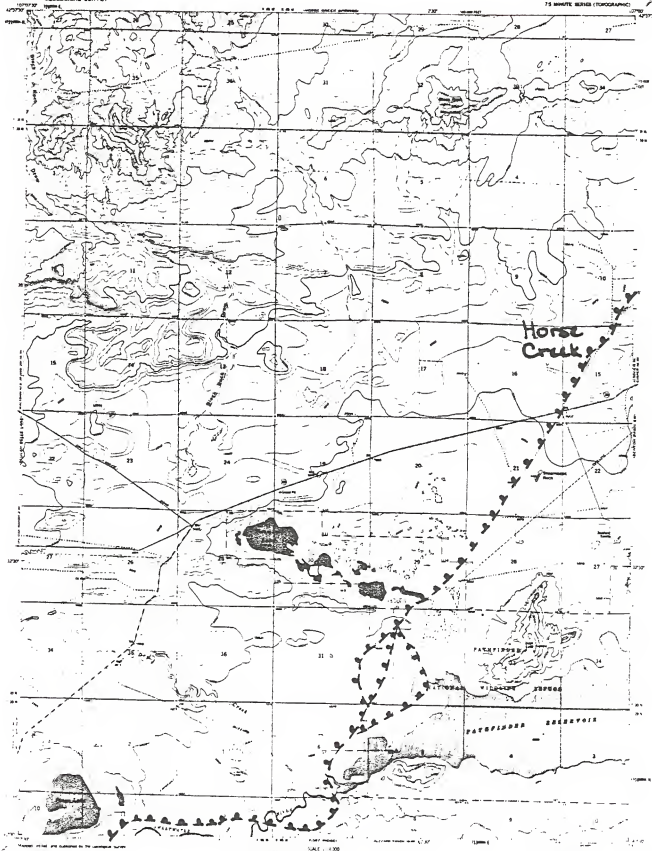
MC CLEARY RESERVOIR WYO
1917



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Semcoe Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slate Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Black Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demsey Haccody Trail
- ▲ Site Location (trail segment no.)

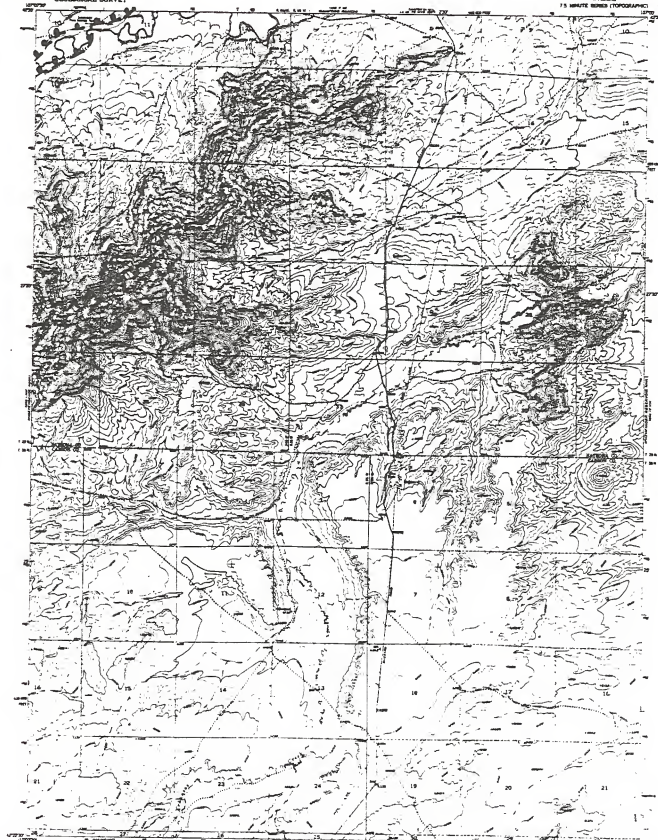
U.S. GEOLOGICAL SURVEY
WASHINGTON, D. C.

BENTON BASIN SW WY 2



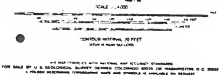
- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Chis's Route
- ▲ Seminoe Cutoff
- ▲ Lanier Road
- ▲ Sabieira Cutoff
- ▲ Slatts Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Blacks Fork Cutoff
- ▲ Kinney Cutoff
- ▲ Dempsey Hoadaday Trail
- ▲ Site Location (trail segment no.)

Scale: 1:50,000
Vertical Exaggeration: 10x
Horizontal Exaggeration: 1x
Projection: UTM
Datum: NAD 83
Contour Interval: 20 feet
Spot Elevation Interval: 10 feet
Elevation above Mean Sea Level



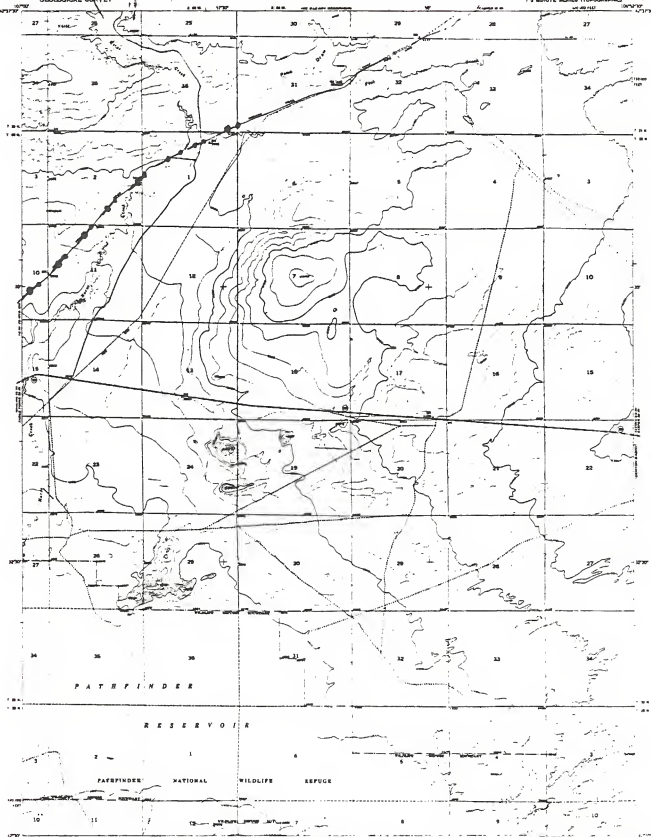
- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Child's Route
- ▲ Seminoe Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Stone Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Blacks Fork Cutoff
- ▲ Kinney Cutoff
- ▲ Demsey Hecaday Trail

▲ Site Location (trail segment no.)



SCALE 1:500
CONTOUR INTERVAL, 50 FEET
(BASED ON 1000 FOOT ELEVATION)

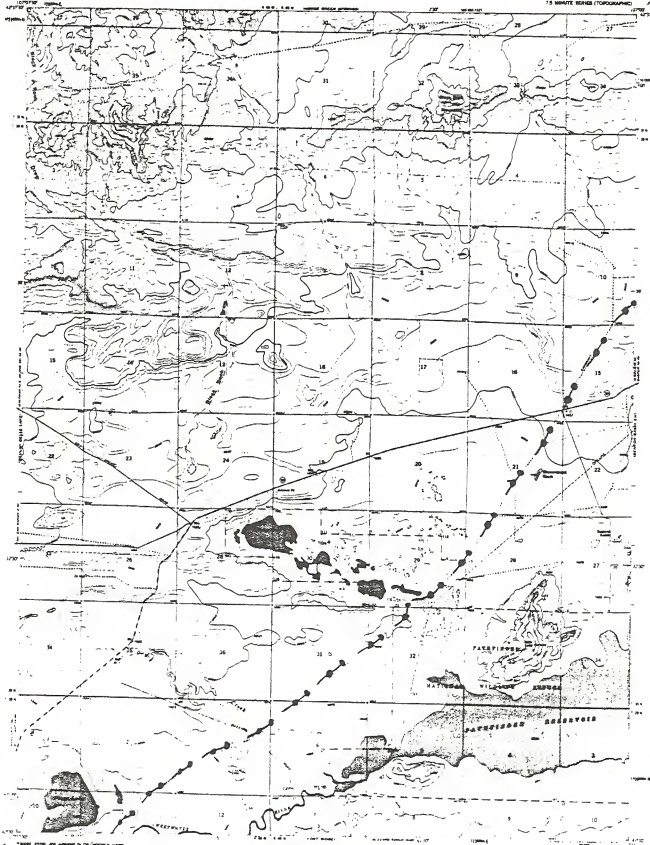
FORT RIDGE 410
7423 7-44250-75
1963
100 000 1/4 IN. SERIES 75



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Kinney Cutoff
- Dempsey-Hocaday Trail
- ▲ Site Location (trail segment no.)

SCALE 1:250,000
VERTICAL INTERVAL, 100 FEET
UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C.

BENTON BASIN SW WYO
MAP BY W. H. HAYES



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Sierra Creek Cutoff
- Home Fork Cutoff
- Black's Fork Cutoff
- Kinsey Cutoff
- Dempsey Hoadley Trail
- Site Location (trail segment no.)

Scale 1:50,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C.

SANFORD RANCH, WYO.
 1894



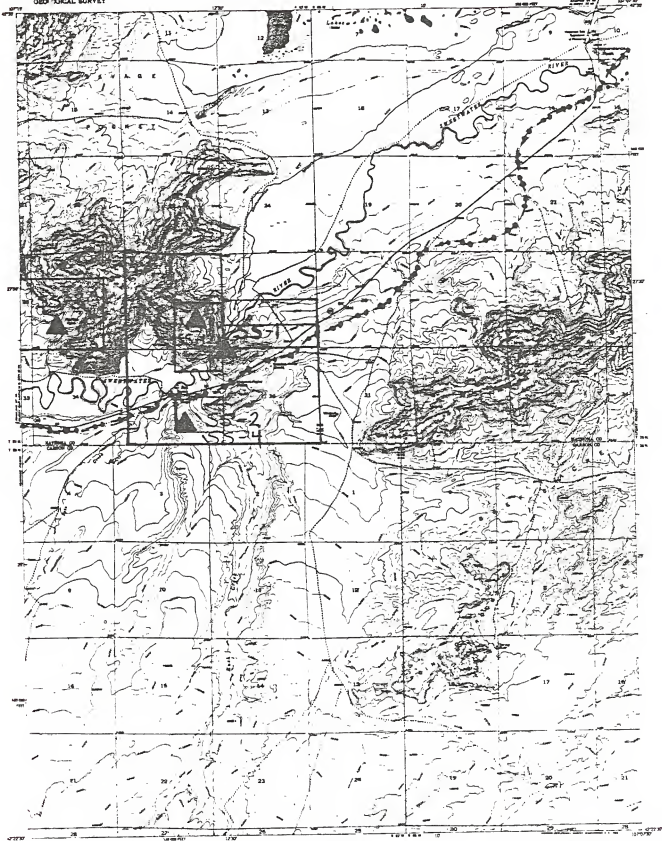
- ▲▲▲▲ Oregon Trail
- ▲▲▲▲ Mormon Trail
- ▲▲▲▲ Pony Express Route
- ▲▲▲▲ Child's Route
- ▲▲▲▲ Sawmice Cutoff
- ▲▲▲▲ Lander Road
- ▲▲▲▲ Sublette Cutoff
- ▲▲▲▲ Slate Creek Cutoff
- ▲▲▲▲ Horns Fork Cutoff
- ▲▲▲▲ Black Fork Cutoff
- ▲▲▲▲ Kinney Cutoff
- ▲▲▲▲ Demsey Hacıday Trail

▲ Site Location (trail segment no.)
 California Emigrant Trail

SCALE 1:50,000
 CONTOUR INTERVAL, 20 FEET
 (SEE REVERSE SIDE)
 THIS MAP IS A MONOCOLOR SURVEY MAP AND IS NOT SUITABLE FOR PHOTOGRAPHIC REPRODUCTION.
 A REVISION OF THIS MAP IS BEING PREPARED AND WILL BE AVAILABLE IN THE NEAR FUTURE.

FIELD NO. 1000
 DATE OF SURVEY 1880
 DATE OF PUBLICATION 1900
 BY GEOLOGICAL SURVEY
 WASHINGTON, D. C.

FORT RIDGE, WYO.
 1881



- Oregon Trail
 ——— Mormon Trail
 ——— Pony Express Route
 ——— Chick's Route
 ——— Sammons Cutoff
 ——— Lander Road
 ——— Sabre's Cutoff
 ——— Stone Creek Cutoff
 ——— Stone Fork Cutoff
 ——— Kinney Cutoff
 ——— Demossy-Hicadady Trail

▲ Site Location (trail segment no.)

••••• California Emigrant Trail

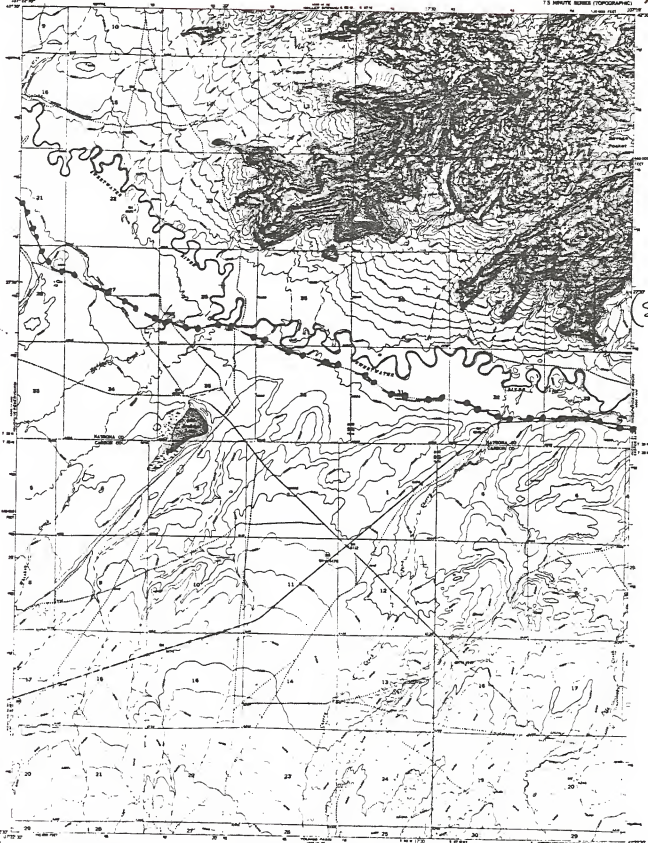
SCALE 1:25,000

CONTOUR INTERVAL, 20 FEET
ELEVATION IN FEET

NOT COMPATIBLE WITH COAST AND GEODETIC SURVEYS
 IN SALE BY U. S. GEOLOGICAL SURVEY FEDERAL CLERK, 1000 COLORADO DRIVE WASHINGTON, D. C.
 U. S. GEOLOGICAL SURVEY FEDERAL CLERK, 1000 COLORADO DRIVE WASHINGTON, D. C.

INDEPENDENCE ROCK, WYO
 4431-1070-1

1981



(SS-3)

- Oregon Trail
- Mormon Trail
- Pony Express Route
- Civil Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Home Park Co. Jiff
- Black's Fork Cutoff
- Kinney Cutoff
- Demassey Hoadley Trail

▲ Site Location (trail segment no.)



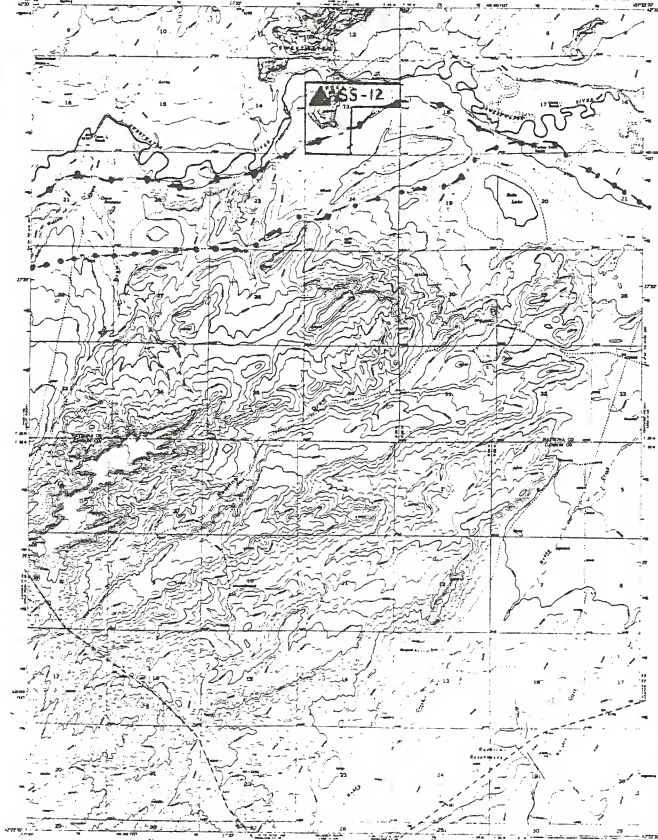
SCALE 1:14,000
CONTINENTAL DIVISION, U.S. GEOLOGICAL SURVEY
NATIONAL SYSTEM OF MAP PROJECTIONS
TRANSVERSE MERCATOR PROJECTION
GEOGRAPHIC COORDINATES IN DEGREES
AND MINUTES
MAGNETIC DECLINATION FOR 1911
SEE MAP OF THE REGION

THIS MAP COMPLETES SERIES OF MAPS THAT DEVELOPED BY GEORGE
FOR SALE BY U.S. GEOLOGICAL SURVEY THROUGH GEOLOGICAL SURVEY OF WASHINGTON, DISTRICT
OF COLUMBIA. ORDINARY ORDERS WILL BE FURNISHED AS USUALLY IN MARKET.

7.5 MINUTE SERIES
SAVAGE PEAK, WYO
MADE BY GEORGE F. WOODRUFF
1911
U.S. GEOLOGICAL SURVEY

NO WP Boundary

Geobase

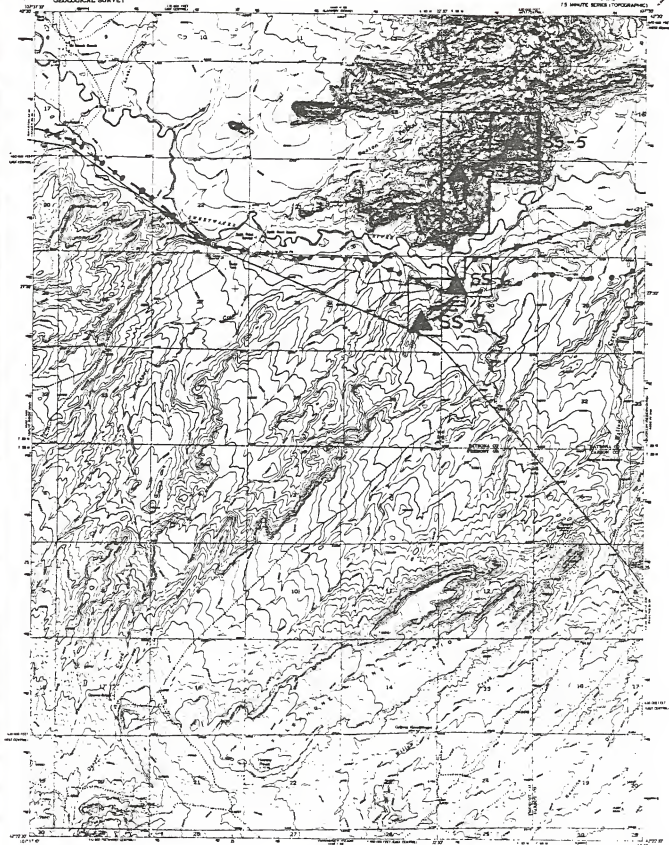


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Lemmon Cutoff
- Lander Road
- Sabette Cutoff
- Slatts Creek Cutoff
- Home Fork Cutoff
- Black's Fork Cutoff
- Kinney Cutoff
- Dempsey McCordy Trail

▲ Site Location (trail segment no.)
 ●●● California Emigrant Trail
 □ Oregon Trail Withdrawal

BUCKLIN RESERVOIRS - WYO
 1905

07-11-1912



- Map Symbols Legend:
- Oregon Trail
 - Mormon Trail
 - Pony Express Route
 - Child's Route
 - Seminoe Cutoff
 - Lander Road
 - Sublette Cutoff
 - Slatts Creek Cutoff
 - Horns Fork Cutoff
 - Kinney Cutoff
 - Denney-Hessaday Trail
 - Site Location (trail segment no.)

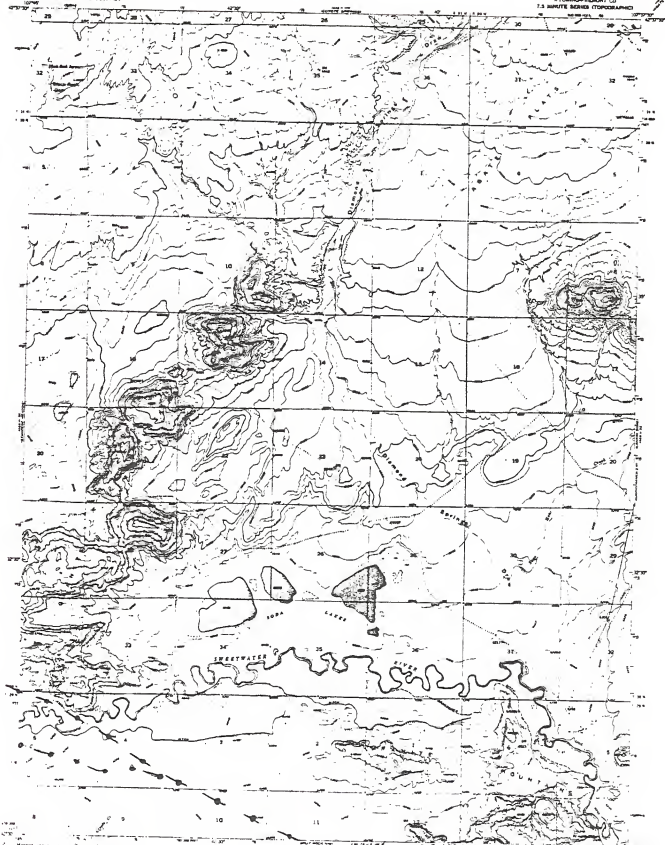
SCALE 1:7500

VERTICAL INTERVAL, IN FEET
HORIZONTAL INTERVAL, IN FEET

THE TOPography was derived from original photographs
1:50,000 scale of U.S. Geological Survey, collected with the use of aerial cameras, 1960.
A contour interval of 20 feet was used in the original photographs.

FRUIT ROCK 410
MAY 1961

Oregon Trail Withdrawal



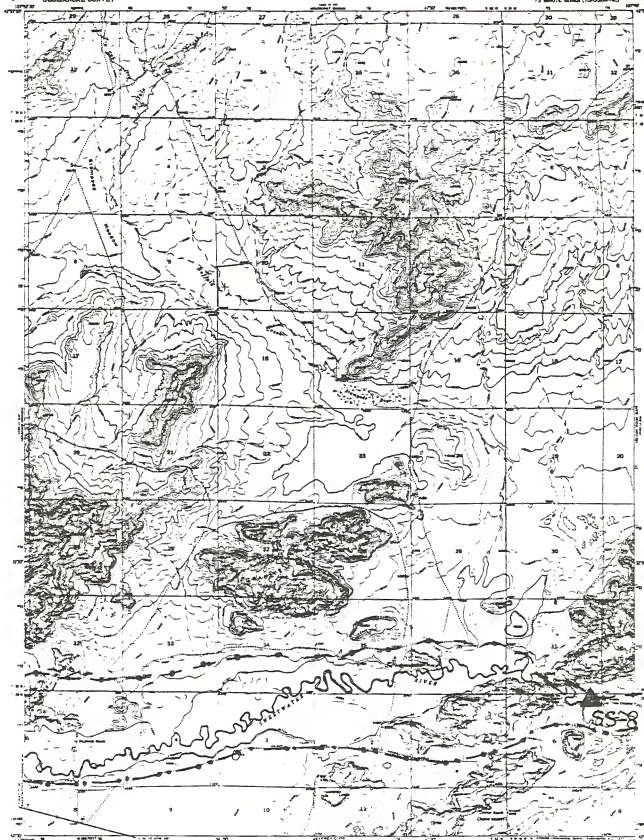
Trails shown are not guaranteed by the Geographic Survey
except as to their location as shown on this map.

- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Child's Route
- ▲ Sawtooth Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Sutte Creek Cutoff
- ▲ Hama Fork Cutoff
- ▲ Blacks Fork Cutoff
- ▲ Kinsey Cutoff
- ▲ Demossy-Macoady Trail

▲ Site Location (trail segment no.)

..... Col. H. W. W. W.
..... Emigrant Trail

BLACK ROCK GAP WYO
1:25,000 SCALE
1961



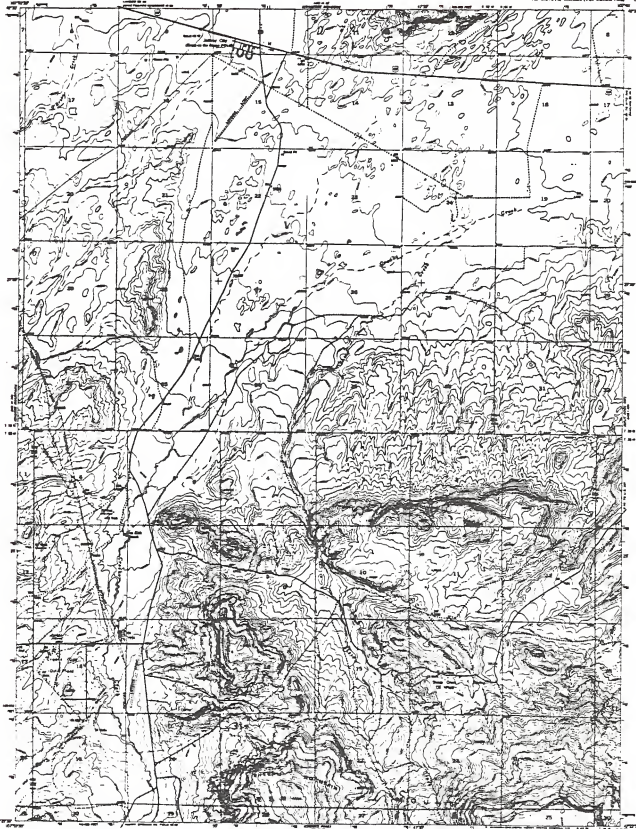
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Civil's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Slotte Creek Cutoff
- Horns Fork Cutoff
- Black's Fork Cutoff
- Kinney Cutoff
- Demassey McCoady Trail

▲ Site Location (trail segment no.)

..... California Emigrant Trail

SCALE 1:50,000
CONTOUR INTERVAL, 20 FEET
VERTICAL INTERVAL, 100 FEET
THIS MAP SHOWS ONLY THE ORIGINAL DATA AS TAKEN FROM THE
FIELD AND IS NOT A REVISION. REVISIONS ARE SHOWN BY DOTTED LINES AND FIGURES.
FOR SALE BY U.S. GOVERNMENT PRINTING OFFICE: 1905. PRICE 10 CENTS.

558
STAMPEDE MEADOW WYO
1905



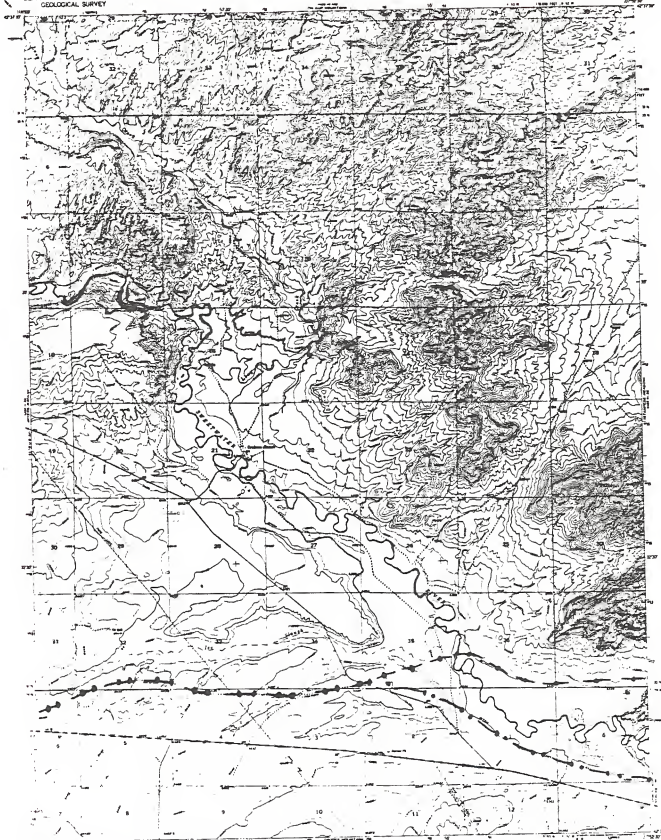
- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Seminoe Cutoff
- ▲— Linder Road
- ▲— Sublette Cutoff
- ▲— Slatts Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Blocks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Deming's Hockaday Trail
- ▲ Site Location (trail segment no.)



ROAD CLASSIFICATION
 National Highway
 State Road
 County Road
 Local Road
 1:25,000

UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20508
 GPO : 1967 O - 350-000

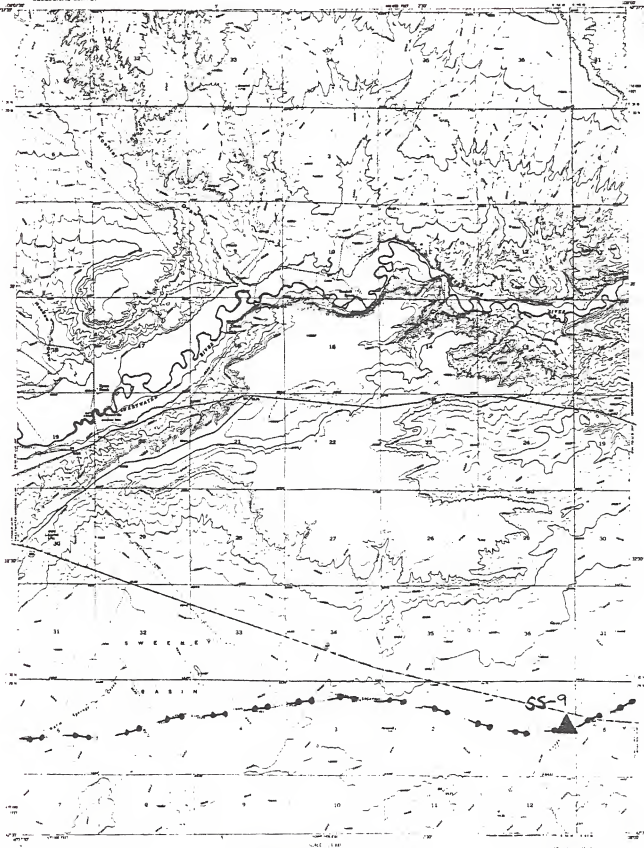
JEFFREY CITY, WYO.
 1887
 1:25,000 SCALE (HORIZONTAL)



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Sawtooth Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Stone Creek Cutoff
- ▲— Home Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demeyer McCorday Trail
- ▲ Site Location (trail segment no.)
- California

GRAHAM RANCH AND
MORMON TRAIL
1961

Mormon Trail



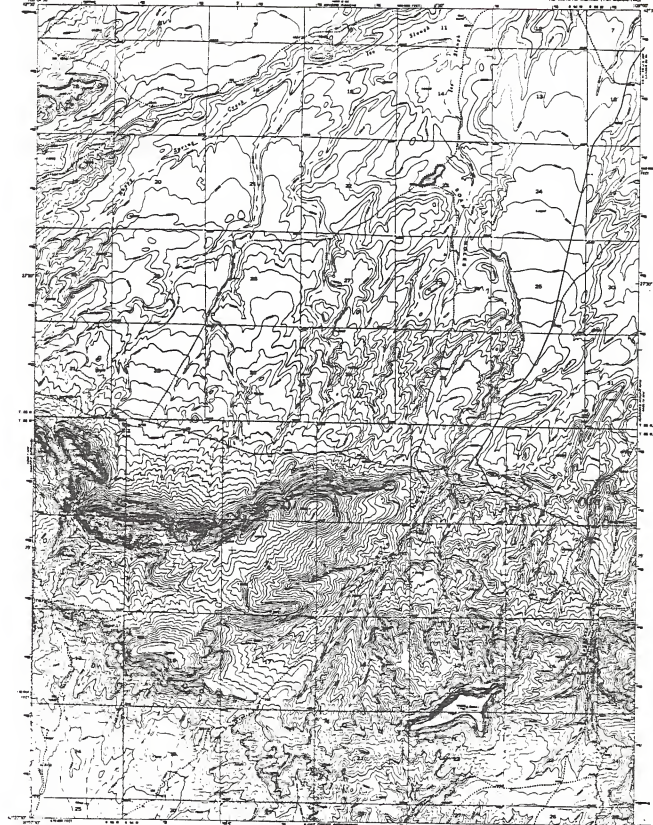
- +— Oregon Trail
- +— Mormon Trail
- +— Pony Express Route
- +— Child's Route
- +— Seminoe Cutoff
- +— Lander Road
- +— Sublette Cutoff
- +— Snake Cree. Cutoff
- +— Hams Fork Cutoff
- +— Blacks Fork Cutoff
- +— Kinney Cutoff
- +— Demosky Hccaday Trail

▲ Site Location (trail segment no.)

Scale: 1 inch = 1 mile
 1:62,500
 U.S. GEOLOGICAL SURVEY

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MYERS RANCH AYO
 1881



- Oregon Trail
- Mormon Trail
- Rony Express Route
- Child's Route
- Semence Cutoff
- Lander Pass
- Sublette Cutoff
- Slatie Creek Cutoff
- Wams Fork Cutoff
- Bucks Fork Cutoff
- Kinney Cutoff
- Dempsey Hockaday Trail
- Site Location (trial segment no.)

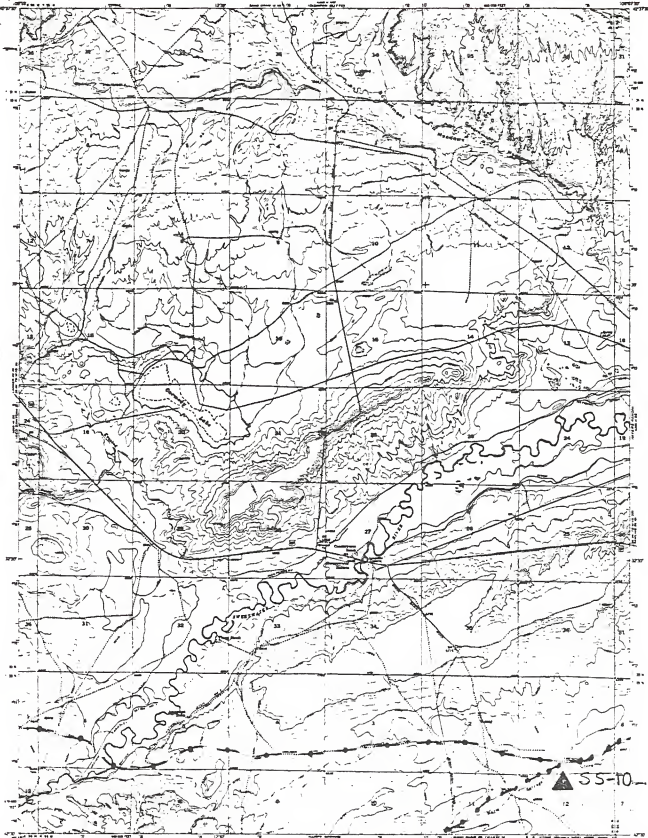


CONTINUED ON REVERSE OF SHEET

THESE MAPS ARE NOT TO BE USED FOR ANY PURPOSES OTHER THAN THAT FOR WHICH THEY WERE DESIGNED AND FOR WHICH THEY ARE AUTHORIZED TO BE USED.

- ROAD CLASSIFICATION
- UNIMPROVED ROAD
 - IMPROVED ROAD
 - 1/2 Mile Road
 - 1/4 Mile Road

SOAP HOLES, WYO
MAY 1911 (REV. 1917)



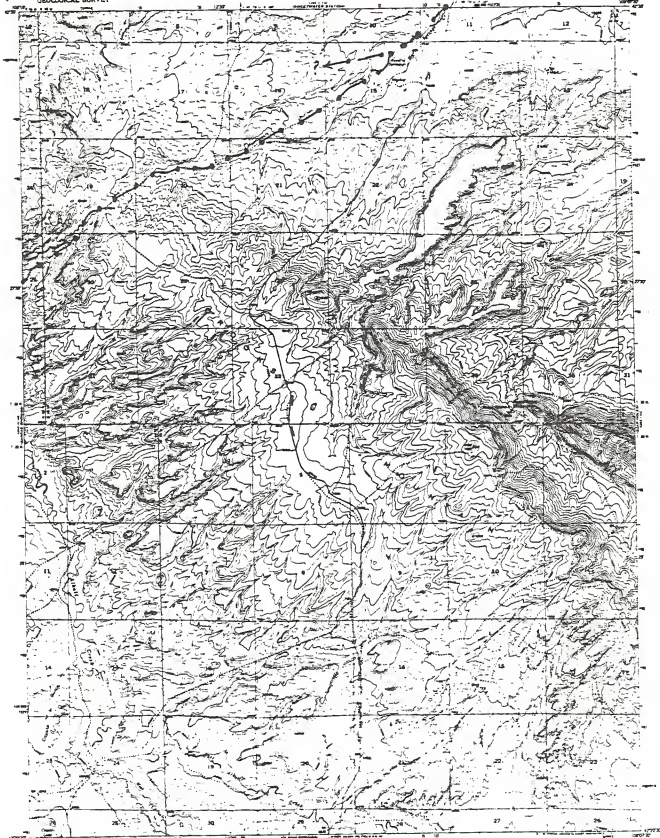
- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Child's Route
- ▲ Seminoe Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ State Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Bluffs Fork Cutoff
- ▲ Kinsey Cutoff
- ▲ Dempsey Hockaday Trail

▲ Site Location (trail segment no.)

SCALE 1:24,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20541
 NATIONAL MAP SERVICE
 1:24,000 SCALE
 1963
 THIS MAP INCLUDES DATA FROM THE FOLLOWING SOURCES:
 THE BUREAU OF LAND MANAGEMENT, U.S. DEPARTMENT OF THE INTERIOR
 THE NATIONAL BUREAU OF SURVEYING AND MAPPING, U.S. DEPARTMENT OF COMMERCE
 (SOURCE: 1:24,000 SCALE, 1963)

PROJECTION
 UTM
 SWEETWATER STATION, MONTANA
 45° 30' N
 108° 30' W
 1963
 1:24,000
 1963

SS-10



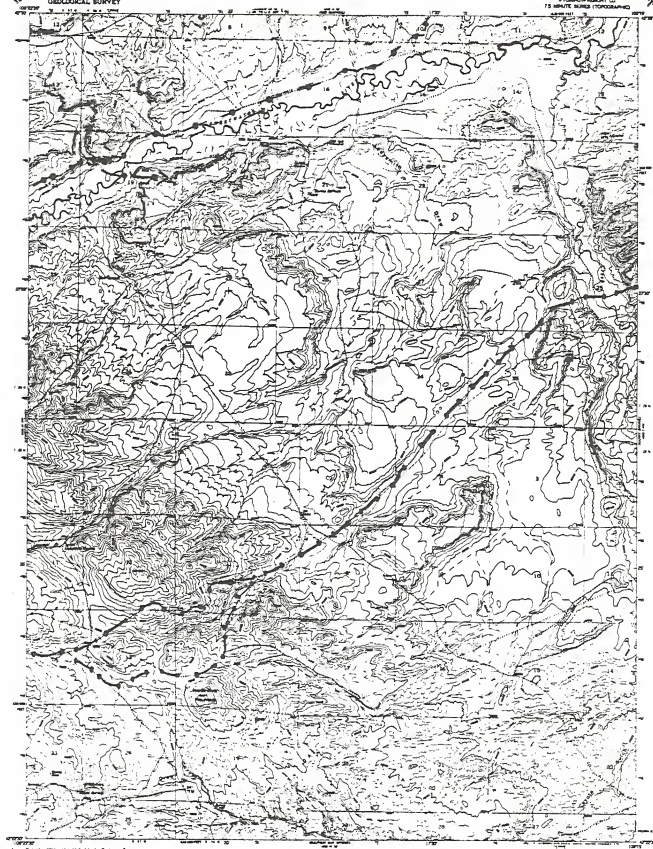
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Civil's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Slate Creek Cutoff
- Home Fork Cutoff
- Black Fork Cutoff
- Kinney Cutoff
- Dempsey McCoady Trail
- ▲ Site Location (trail segment no.)

SCALE 1:50,000
VERTICAL EXAGGERATION 10:1
HORIZONTAL EXAGGERATION 1:1
DATE OF ORIGINAL SURVEY 1880
DATE OF REVISION 1967
BY J. M. W. JONES

FILE SAGAHOPKA
HAPPY SPRING AVO
1962 S. W. 1/4 17 E. 12 N.

? Cross Country Pony Express Estimated Route

1967



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Seminoe Cutoff
- ▲— Lonzer Road
- ▲— Sublette Cutoff
- ▲— Slater Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dempsey Hockaday Trail
- ▲ Site Location (trail segment no.)

SCALE 1 INCH = 1 MILE
VERTICAL INTERVAL, 50 FEET
HORIZONTAL INTERVAL, 1/4 INCH = 1 MILE
FOR SALE BY U. S. GEOLOGICAL SURVEY (DEPARTMENT OF THE INTERIOR) WITH AN ORDER, ADDRESS: WASHINGTON, D. C. 20508

ROAD CLASSIFICATION
 —▲— Interstate
 —▲— U.S. Highway
 —▲— State Road
 —▲— County Road
 —▲— Other Road
 BARRIAS SPRINGS, WYO
 1953
 PHOTOGRAPHIC COPY
 FROM U.S.G.S. MAP 2500

2 Cross Country Pony Express Estimated Route



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Chief's Route
- ▲ Seminoe Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Snake Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Black's Fork Cutoff
- ▲ Kinsey Cutoff
- ▲ Demessey Hoadway Trail
- ▲ Site Location (from segment no.)

SCALE 1:50,000
VERTICAL INTERVAL, IN FEET
HORIZONTAL INTERVAL, IN FEET
NATIONAL ADVERSE EFFECTS STATE OF OREGON

THIS MAP SHOWS ONLY THE NATIONAL AND ADVERSE EFFECTS STATE OF OREGON
THE BUREAU OF GEOLOGICAL SURVEY HAS NO CONTROL OVER THE CONTENTS OF THIS
MAP AND IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THEREIN

1885 CLASSIFICATION
LEWISTON LAKES, WYO
1885 & 1887 S. 1
1885 & 1887 S. 1
1885 & 1887 S. 1

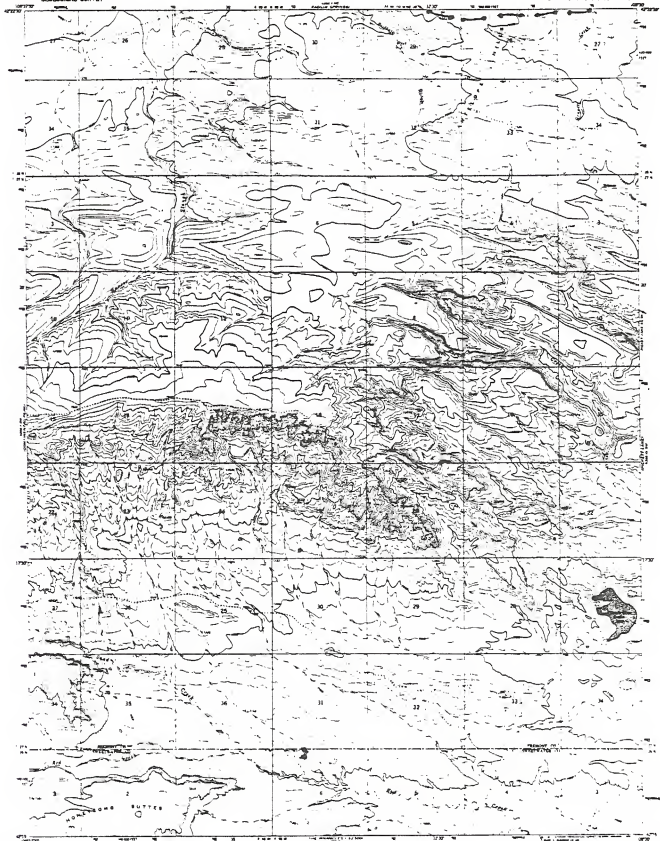
Withdrawals for Oregon Trail



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Civil's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- State Creek Cutoff
- Home Fork Cutoff
- Black Fork Cutoff
- Kinney Cutoff
- Dempsey Hockaday Trail
- ▲ Site Location (trail segment no.)

Scale 1:62,500
Vertical Exaggeration 10x
Horizontal Exaggeration 1x
Vertical Datum: Mean Sea Level
Horizontal Datum: NAD 83
Projection: UTM
Zone: 12N
Datum: NAD 83
Units: Meters
Scale: 1:62,500
Date: 1987
Author: G. W. Hartshorn
Editor: J. R. ...
Checked: J. R. ...
Approved: J. R. ...

RADUM SPRINGS, WY.
1:62,500
T1 WHITE MOUNTAIN (TONGUEHELI)



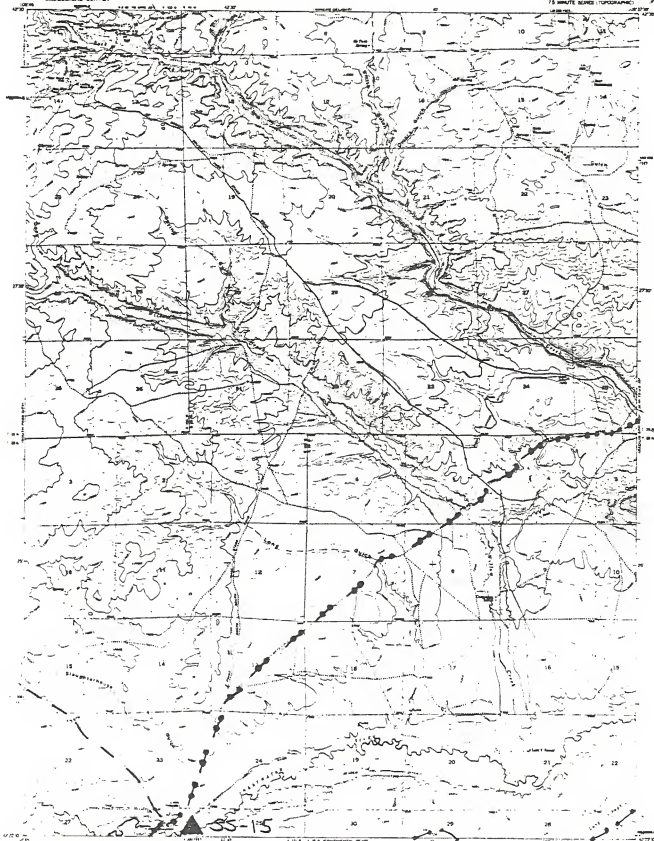
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Sierra Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Demossy Hockaday Trail

▲ Site Location (trail segment no.)

SCALE 1:25000
VERTICAL EXAGGERATION 10X
CONTOUR INTERVAL 20 FEET
MAY 1964

THIS MAP CORRECTS THE ORIGINAL MAP ACCORDING TO THE FOLLOWING DATA:
1. A 1:25,000 SCALE MAP OF THE CIRCLE BAR LAKE AREA, DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, 1964.
2. A 1:25,000 SCALE MAP OF THE CIRCLE BAR LAKE AREA, DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, 1964.

CIRCLE BAR LAKE #40
MAY 1964



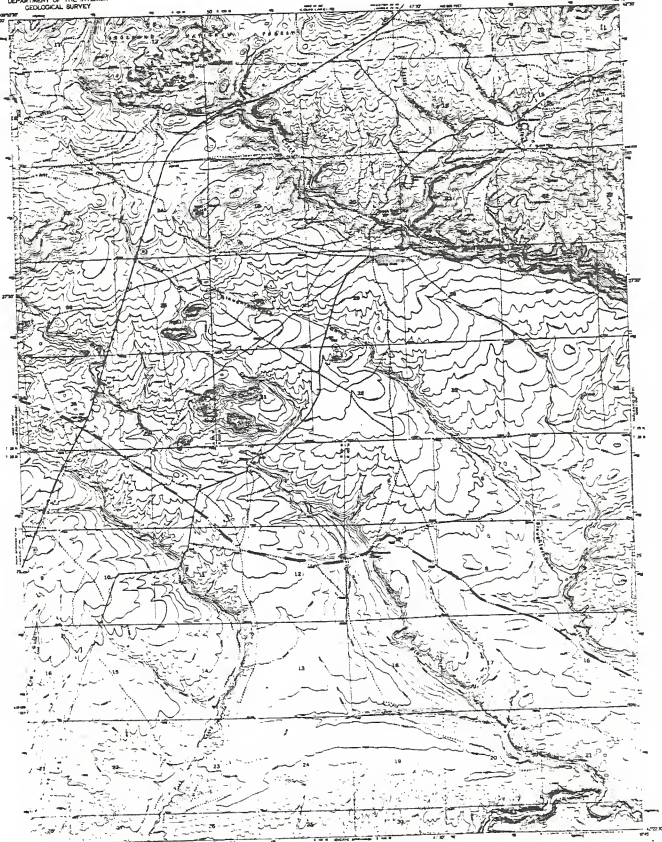
Trails shown are approved by the Landowners Bureau

- Oregon Trail
- Mormon Trail
- Pony Express Route
- Chis's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Home Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Demassey Hockaday Trail

▲ Site Location (trail segment no)

NEED OF WATER, 1917
THIS MAP COMPILED FROM SURVEYS AND ACTUAL FIELD MEASUREMENTS
THE BUREAU OF LAND MANAGEMENT HAS REVIEWED THIS MAP AND APPROVED IT AS A GENERAL GUIDE
FOR THE PURPOSES OF THE NATIONAL MONUMENTS ACT OF 1906

ATLANTIC CITY, N.J.
1917



- Oregon Trail
- Mormon Trail
- Pony Express Route
- David's Route
- Samson Cutoff
- Lumber Road
- Swazette Cutoff
- Digne Creek Cutoff
- Home's Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey McCasidy Trail

▲ Site Location (trail segment no.)

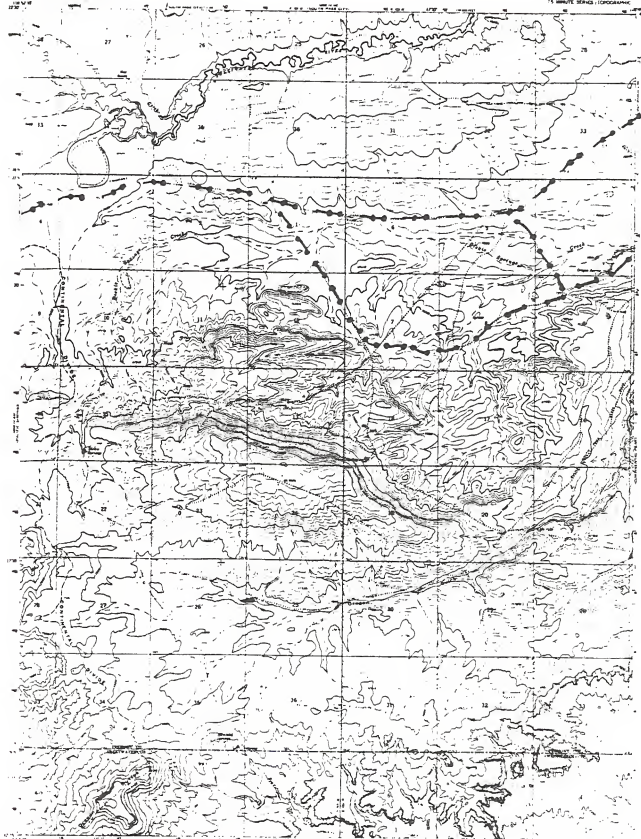
SOUTH PASS CITY AND
NEARBY AREAS
1885

20206.02



- SCALE 1:24,000
- VERTICAL DISTANCE, 50 FEET
HORIZONTAL DISTANCE, 100 FEET
- UNCLASSIFIED
- THIS MAP CONTAINS DATA OBTAINED FROM AERIAL PHOTOGRAPHS
FOR SALE BY U.S. GEOLOGICAL SURVEY SERVICE CENTER RESTON, VA 20192
CONTACT US AT WWW.GSA.GOV FOR MORE INFORMATION
- x—x—x— Oregon Trail
 - ||||| Mormon Trail
 - - - Pony Express Route
 - - - - - Chad's Route
 - ||||| Sawtooth Cutoff
 - ||||| Lander Road
 - ||||| Sabertite Cutoff
 - ||||| Sierra Crest Cutoff
 - ||||| Horns Fork Cutoff
 - ||||| Black's Fork Cutoff
 - ||||| Kinney Cutoff
 - x—x—x— Dempsey-Hocaday Trail

▲ Site Location (trail segment no.)



- ▲ Site Location (trail segment no.)
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sennine Cutoff
- Lander Road
- Sublette Cutoff
- Gaipe Creek Cutoff
- Hams Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey Macadon Trail

SCALE 1:50,000

UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C.

1907

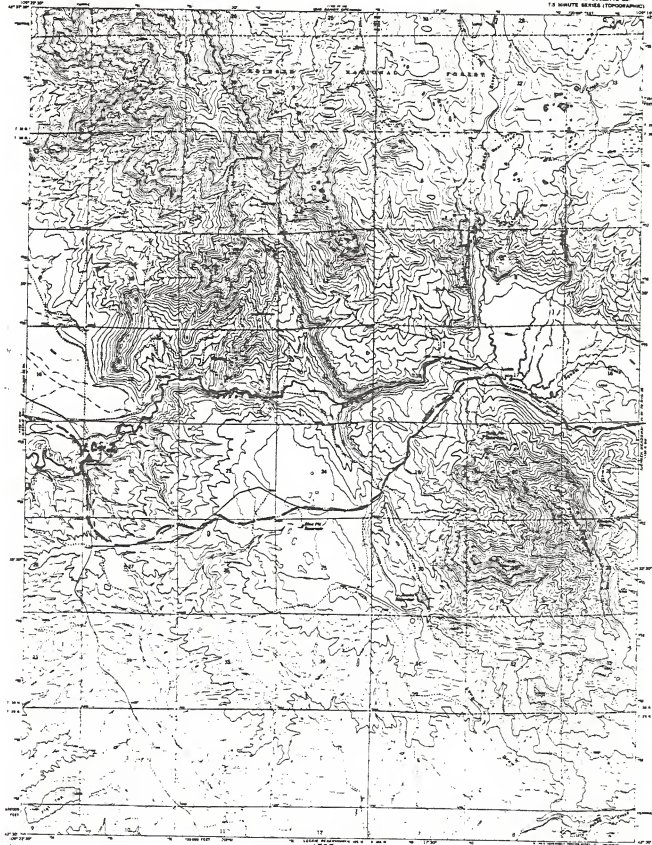
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1907

1907

1907

1907



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Seminoe Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slate Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Black's Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demassey Hoadaday Trail

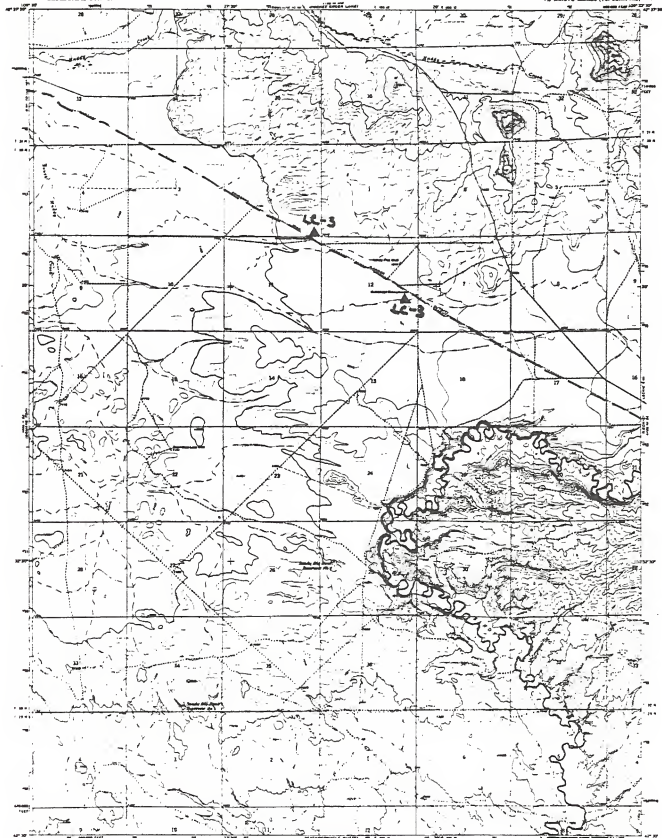
SCALE 1:25,000
VERTICAL INTERVAL, 20 FEET
HORIZONTAL SCALE, AS SHOWN ON THIS MAP, CORRECTS
FOR CURVATURE OF THE EARTH

ROAD CUTOFFS
 Paved Highway ———
 Main Road ———
 Secondary Road ———
 Footpath ———
 Grade Road ———
 1/2 Mile
 1/4 Mile

THIS MAP SHOWS ONLY TERRAIN AND NOT ROAD CONDITIONS
 FOR ROAD OR TO BE DETERMINED, NUMBER OF TRUCKS, LOADS, AND TO BE DETERMINED
 * PAVEMENT INDICATED BY DASHES ON ROAD LINES

LECKIE WYO
 1890-1895/1915
 1:25,000 SCALE

▲ Site Location (trail segment no.)



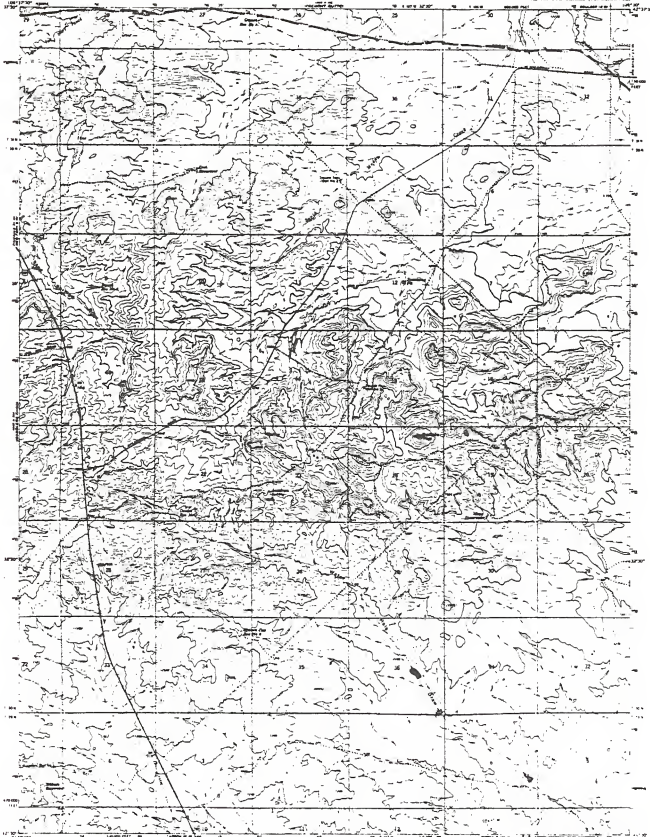
- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Semmes Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slatie Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demsey Hacaday Trail
- ▲ Site Location (trail segment no.)

SCALE 1:100,000
CONTROLLING INTERVAL, 20 FEET
ADJUSTED TO MEAN SEA LEVEL
DATE OF SURVEY, 1881-1882

ROAD CLASSIFICATION	
—▲—	Highway
—▲—	State Road
—▲—	County Road
—▲—	Local Road
—▲—	Trail
—▲—	Other

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A CHANGE INFORMATION SYSTEM HAS BEEN ESTABLISHED TO ASSIST YOU

LECKIE SW, WYO.
SCALE: 1:100,000
DATE: 1968



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Slatts Creek Cutoff
- Hones Fork Cutoff
- Blocks Fork Cutoff
- Kinney Cutoff
- Demossy Hockaday Trail

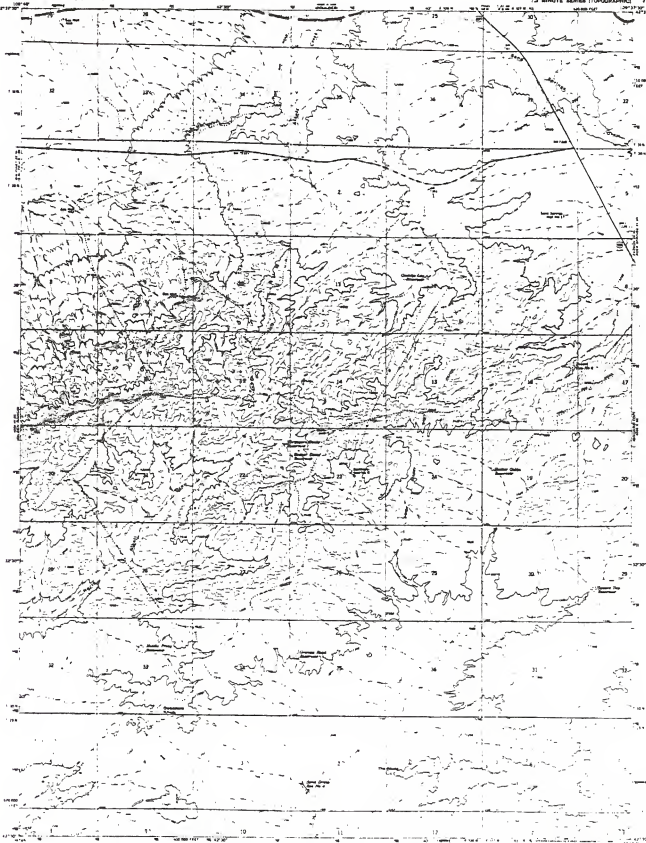
SCALE 1:25,000
 THE MAP WAS MADE BY THE GEOLOGICAL SURVEY OF THE UNITED STATES
 FROM DATA OF THE U.S. GEOLOGICAL SURVEY AND OTHER SOURCES AND IS NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE PERMISSION OF THE GEOLOGICAL SURVEY

Road Classification
 1. Main
 2. Branch
 3. Spur

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SQUARE TOP WYO
 1:25,000 SCALE
 1908

▲ Site Location (trail segment no.)



- ▲— Oregon Trail
 - ▲— Mormon Trail
 - ▲— Pony Express Route
 - ▲— Child's Route
 - ▲— Seminoe Cutoff
 - ▲— Lander Road
 - ▲— Sublette Cutoff
 - ▲— Slate Creek Cutoff
 - ▲— Horns Fork Cutoff
 - ▲— Black Fork Cutoff
 - ▲— Kinney Cutoff
 - ▲— Dempsey Hoadaday Trail
- ▲ Site Location (trail segment no.)

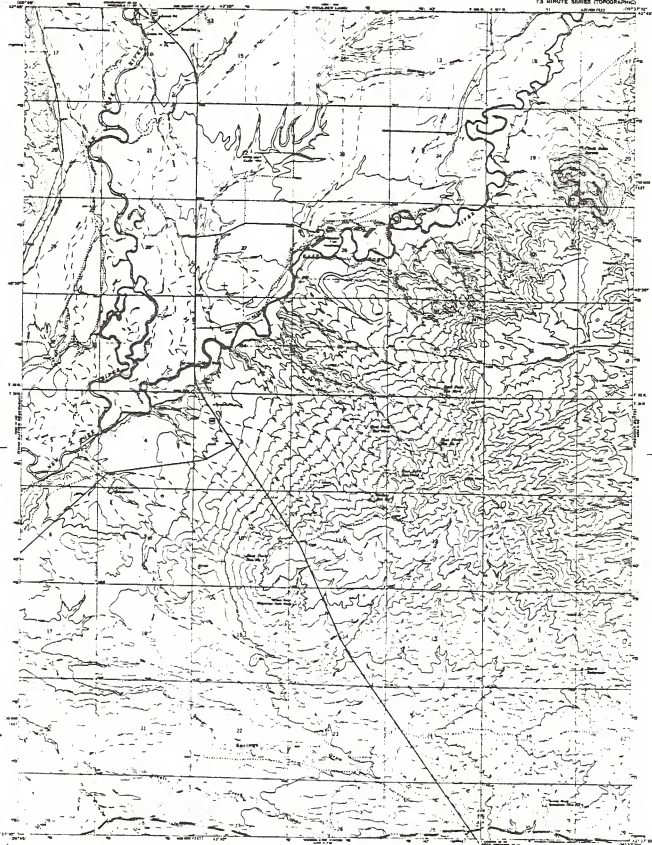
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COURTESY OF THE U.S. GEOLOGICAL SURVEY
DATE OF SURVEY 1908
DATE OF PUBLICATION 1910

AND CLASSIFICATION
Horizontal Scale 1:50,000
Vertical Scale 1:50,000

COBBLERS KNOS, WYO.

1910

1910



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lower Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey-Hobby Trail
- ▲ Site Location (trail segment no.)

SCALE
1" = 1 MILE
U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C. 20508
1912

ROAD CLASSIFICATION

— National Highway

— State Highway

— U.S. Road

— Other Road

BOULDER WYO
1:8 WHITE MOUNTAIN (TERRAIN)

U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C. 20508

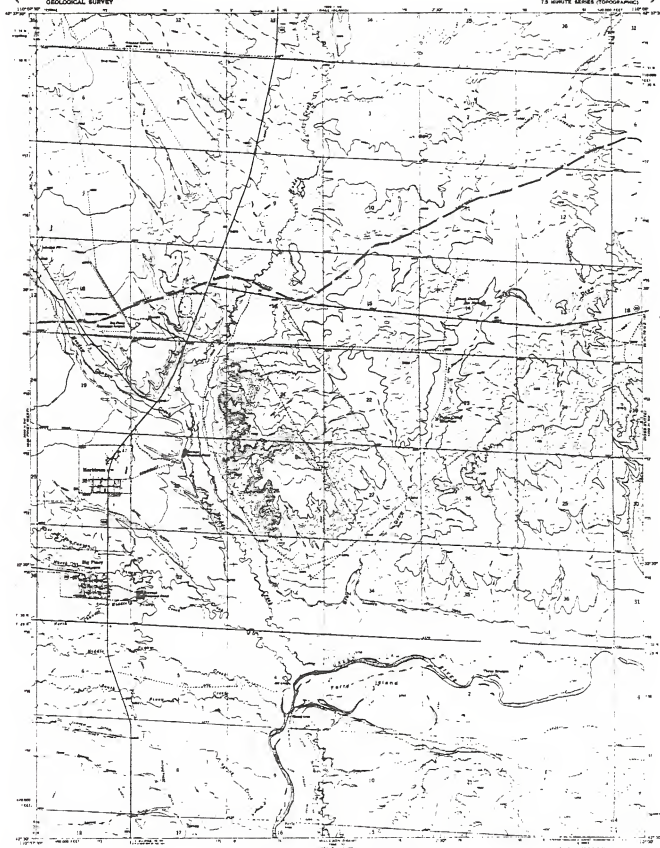


- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Semence Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slagle Creek Cutoff
- ▲— Home Fork Cutoff
- ▲— Black Fork Cutoff
- ▲— Kinsey Cutoff
- ▲— Dempsey Hoadley Trail
- ▲ Site Location (trail segment no.)

SCALE 1:25000
ONE INCH = 2500 FEET
VERTICAL EXAGGERATION 10 TIMES
HORIZONTAL EXAGGERATION 10 TIMES

ROSS BUTTE, WYO.
1885
U.S. GEOLOGICAL SURVEY

THIS MAP COPIED BY THE NATIONAL MAP ARCHIVE PROGRAM
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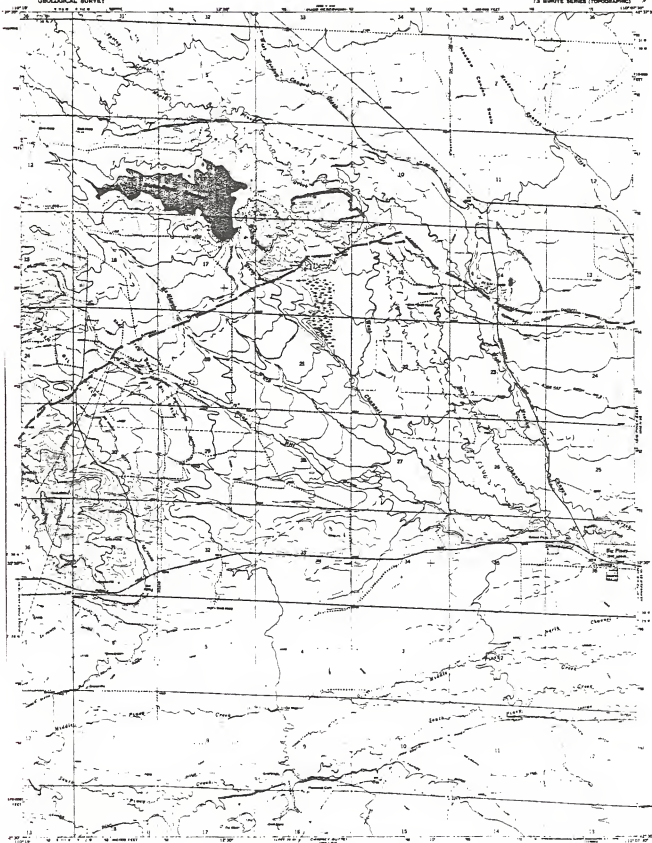


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey Wagonway Trail

▲ Site Location (trail segment no.)

Scale: 1 inch = 1 mile
 1:50,000
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C.

80° PINNEY EAST, WYO
 1:50,000
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C.



- Oregon Trail
- Mormon Trail
- Piney Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Stone Creek Cutoff
- Horns Fork Cutoff
- Kamee Cutoff
- Dempsey-Hocadose Trail
- Site Location (train segment no.)

SCALE 1:25,000

VERTICAL EXAGGERATION 10 TIMES

UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C. 20508

ROAD CLASSIFICATION

Primary Highway

Secondary Highway

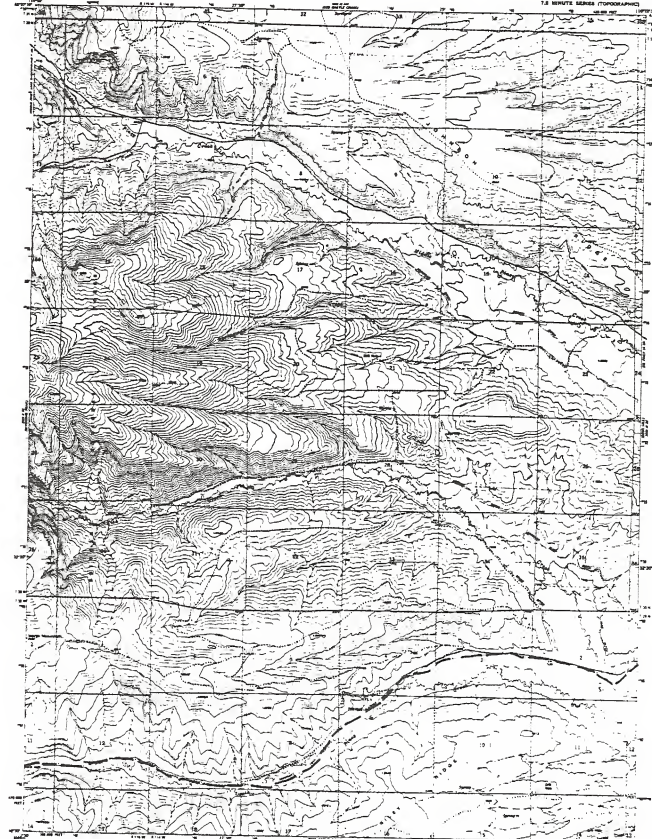
Unimproved Road

Private Road

NOT DRAWN TO SCALE

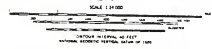
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BIG PINEY WEST, WYO.
1:25,000 WHITE SERIES
1958



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Samnoe Cutoff
- Lander Road
- Sublette Cutoff
- Slotte Creek Cutoff
- Home Fork Cutoff
- Blocks Fork Cutoff
- Kinney Cutoff
- Dempsey-Hecadey Trail

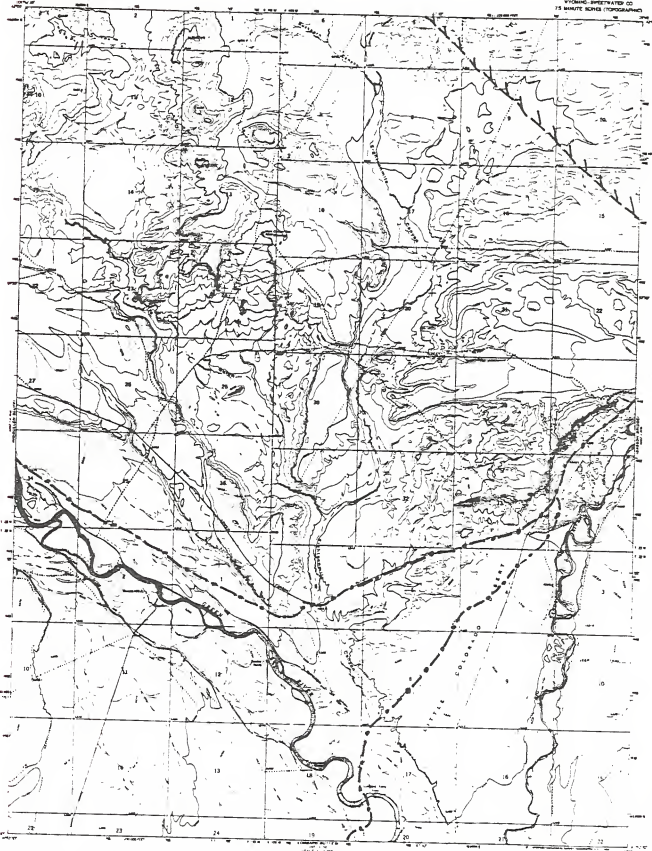
▲ Site Location (trail segment no.)



VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: NAD 83
CONTOUR INTERVAL: 20 FEET
MAPPING DATE: 1963
SOURCE: U.S. GEOLOGICAL SURVEY

ROAD CLASSIFICATION	
—	Primary Road
—	Secondary Road
—	Local Road
—	Unimproved Road
—	Trail

SPRINGMAN CREEK, WYO
MAP NO. 10151-A



- ▲— Oregon Trail
- ▲— Hoarman Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Semence Cutoff
- ▲— Lonzer Road
- ▲— Sublette Cutoff
- ▲— Slate Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demosky-Hocaday Trail

▲ Site Location (trail segment no.)

SCALE 1:25,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C.

MASTER
 THOMAS SCHOOL WYO
 1908

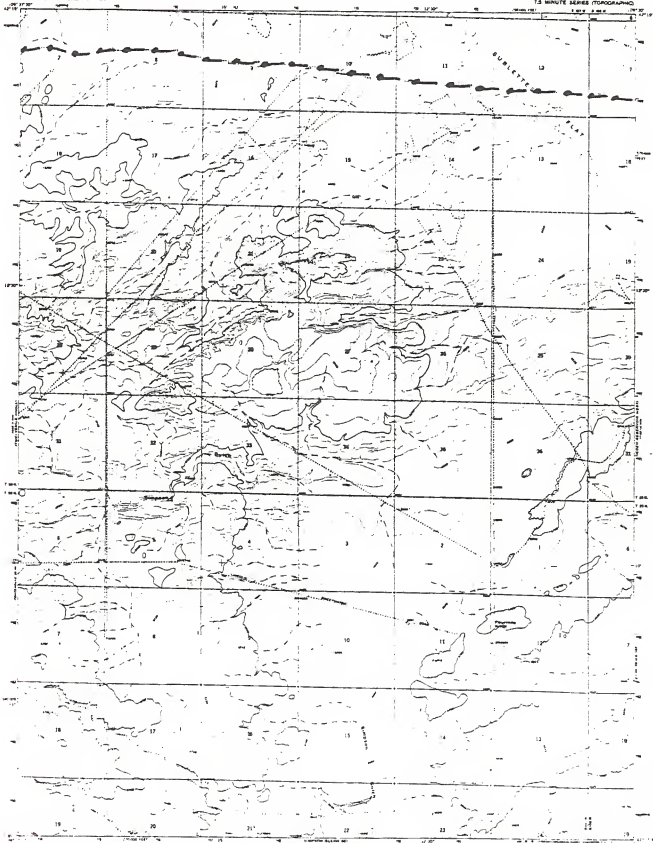


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Sixtie Creek Cutoff
- Home Fork Cutoff
- Blocks Fork Cutoff
- Kinney Cutoff
- Dempsey-Hocaday Trail

▲ Site Location (trail segment no.)

Scale: 1 inch = 2 miles
 1:250,000
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20508
 1988

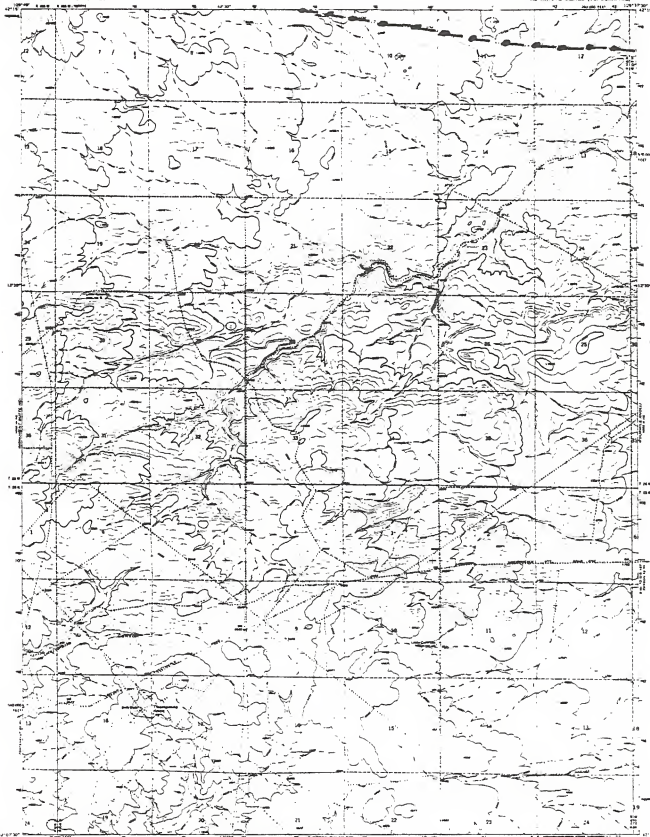
FILE CLASSIFICATION
 100-100-100-100
 TWELVEHOLE SINK, WYO
 1:250,000 SERIES, 1:250,000
 100-100-100-100



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— David's Route
- ▲— Sawatch Cuttoff
- ▲— Lander Road
- ▲— Sublette Cuttoff
- ▲— Sage Creek Cuttoff
- ▲— Horns Fork Cuttoff
- ▲— Anexas Fork Cuttoff
- ▲— Kinney Cuttoff
- ▲— Dempsey Hoadaday Trail
- ▲ Site Location (trail segment no.)

U.S. GEOLOGICAL SURVEY
WYOMING SHEETS NO. 10
1:250,000 SERIES (TOPOGRAPHIC)
FOURMILE KNOLL QUADRANGLE

FOURMILE KNOLL #10
1:250,000



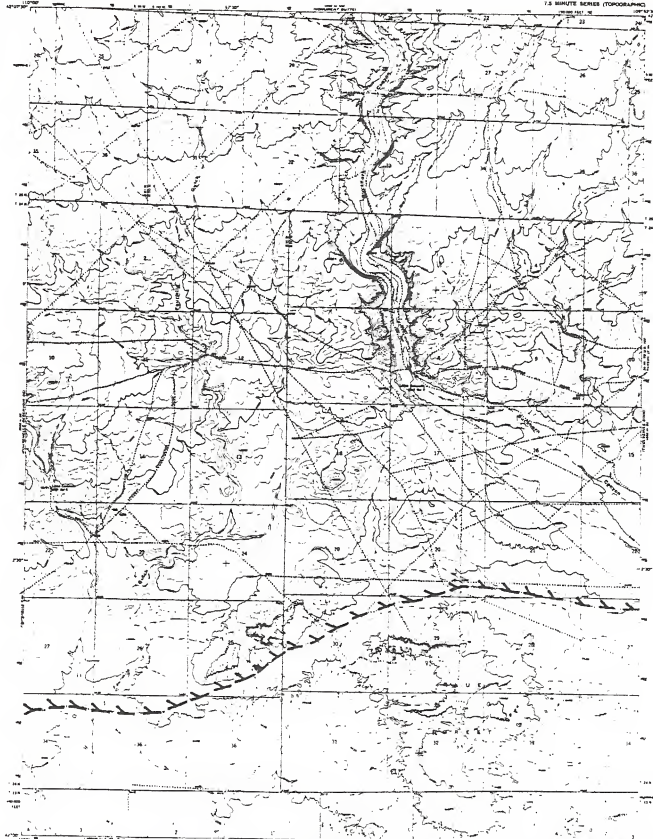
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Home Fork Cutoff
- Black Fork Cutoff
- Kinney Cutoff
- Demassey Hoadday Trail

▲ Site Location (trail segment no.)

1:25,000 SCALE
 TWELVEHILE KNOLL QUADRANGLE
 STORMING-SWEEETATER CO.
 7.5 MINUTE SERIES (TOPOGRAPHIC)
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C.

ROAD CLASSIFICATION
 (SEE MAP FOR ROAD NUMBER)

TWELVEHILE KNOLL, WYO.
 1907
 U.S. GEOLOGICAL SURVEY



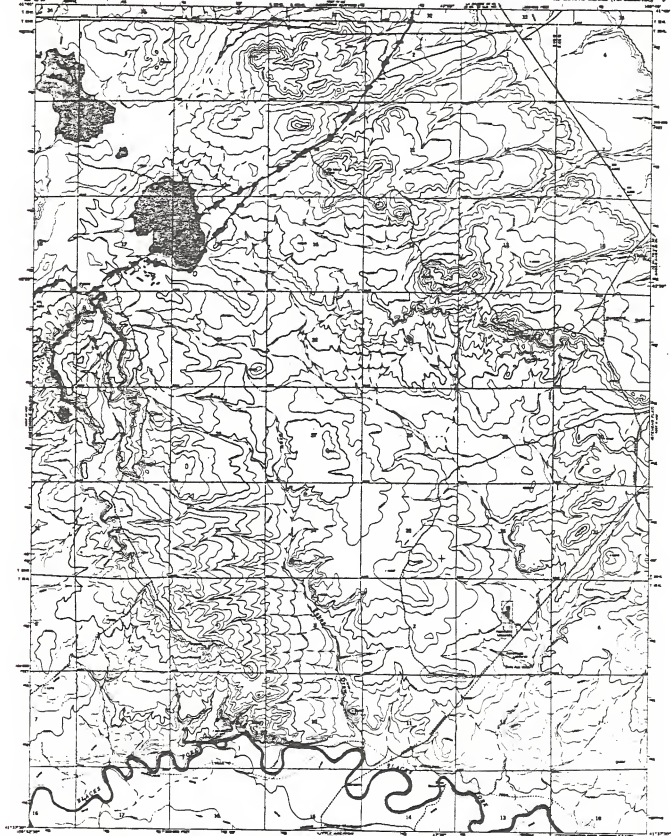
- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Child's Pass
- ▲ Seminoe Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Slate Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Blacks Fork Cutoff
- ▲ Kinney Cutoff
- ▲ Dempsey-Jacobsy Trail
- ▲ Site Location (trail segment no.)

Scale: 1:50,000
 1 inch = 1 mile
 1 centimeter = 1000 meters

WAS CASHIERS
 1900

BLUE FOREST, WYO.
 1900, WITH 1914

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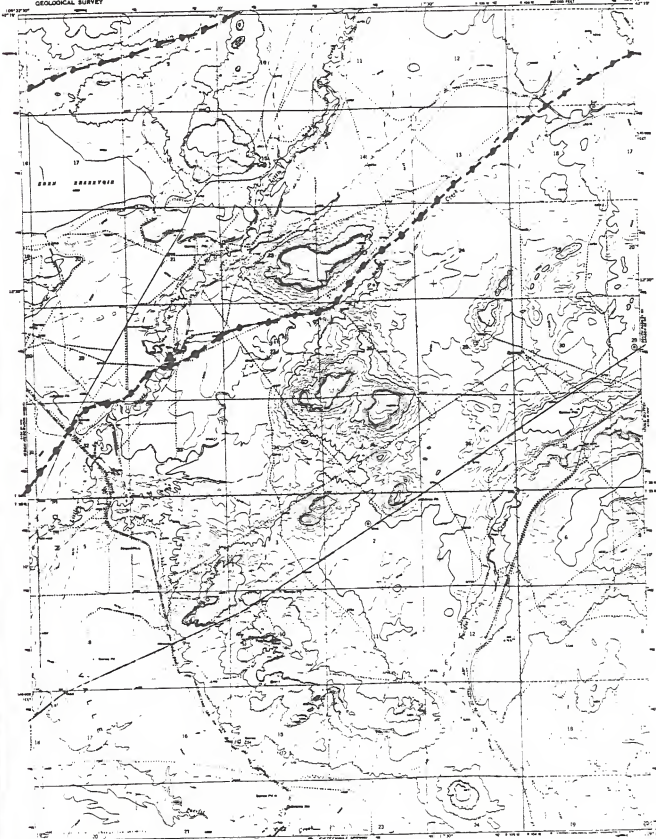


- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Semence Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slotte Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Blackax Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dempsey Hoadley Trail

▲ Site Location (trail segment no.)



BLUE POINT, WYO.
1:50,000 SCALE
1908

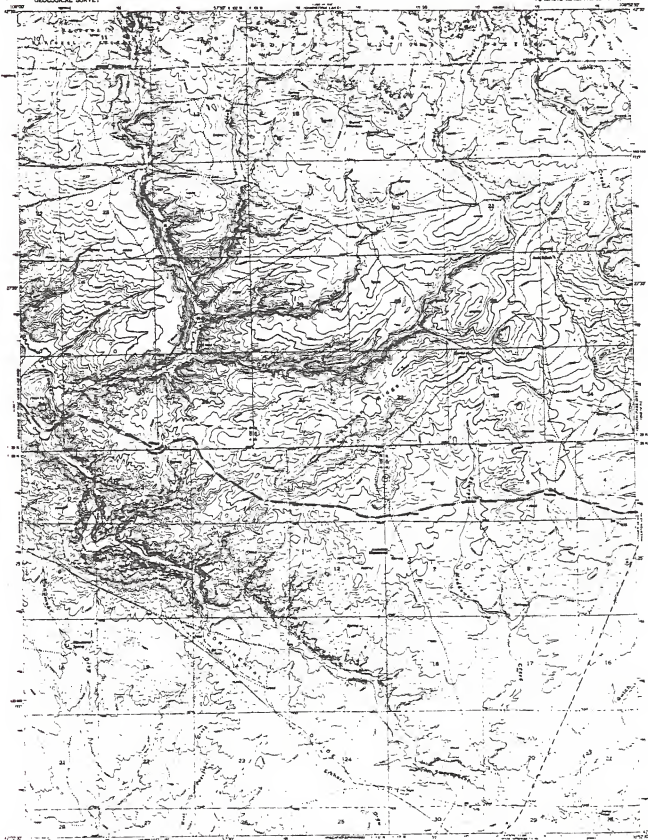


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Brass Fork Cutoff
- Kinney Cutoff
- Demossey Hoadaday Trail
- ▲ Site Location (trail segment no.)

Scale: 1 inch = 1 mile
 1:62,500
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20540

ROAD CLASSIFICATION
 1. National Highway
 2. State Highway
 3. County Highway
 4. Local Road
 5. Private Road
 6. Unimproved Road
 7. Footpath

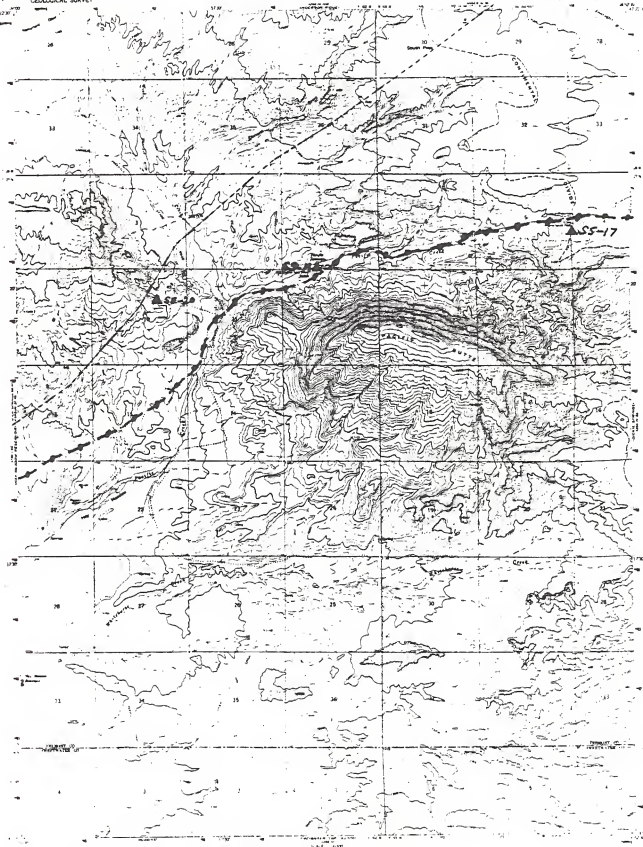
EDEN RESERVOIR EAST WYO.
 15 MINUTE SERIES
 1:62,500



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sarinose Cutoff
- Lander Road
- Sublette Cutoff
- Sutte Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinser Cutoff
- Demossy Hecoday Trail

▲ Site Location (trail segment no.)

SCALE
1:50,000
ANDERSON RIDGE A70
MAY 1961



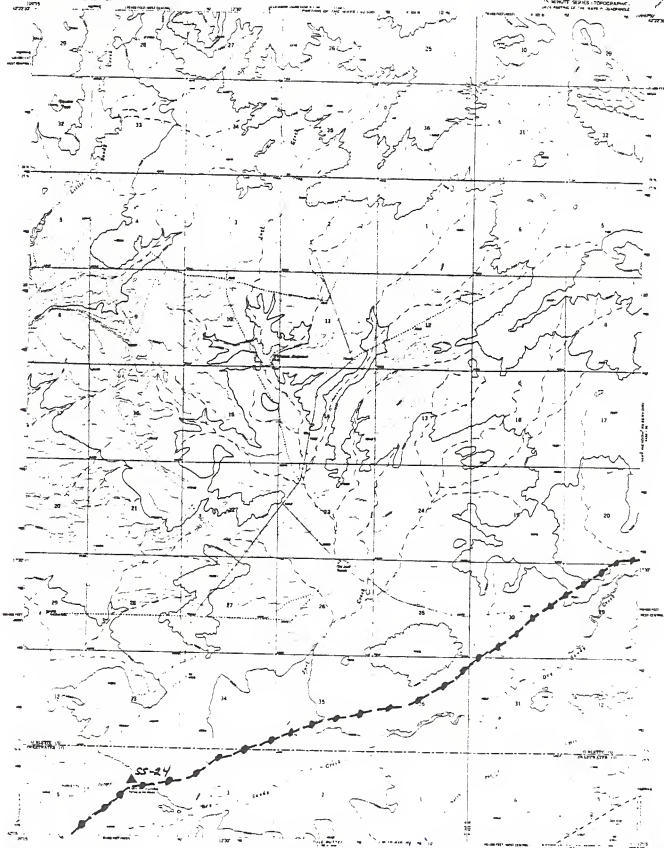
- +—+—+— Oregon Trail
- +—+—+— Mormon Trail
- +—+—+— Pony Express Route
- +—+—+— Child's Route
- +—+—+— Seminoe Cutoff
- +—+—+— Lander Road
- +—+—+— Sublette Cutoff
- +—+—+— Sirote Creek Cutoff
- +—+—+— Home Park Cutoff
- +—+—+— Blacks Fork Cutoff
- +—+—+— Kinney Cutoff
- +—+—+— Gannaway Hoadway Trail

▲ Site Location (trail segment no.)

SCALE 1:50,000
VERTICAL EXAGGERATION 100 FEET TO 1 INCH

THIS MAP IS A GEOLOGICAL SURVEY TRAIL MAP. IT SHOWS ONLY THE INFORMATION OF THE GEOLOGICAL SURVEY. OTHER INFORMATION, SUCH AS THE LOCATION OF TOWNS, IS NOT SHOWN.

PAUL F. GUNDEL, M.D.
GEOLOGICAL SURVEY

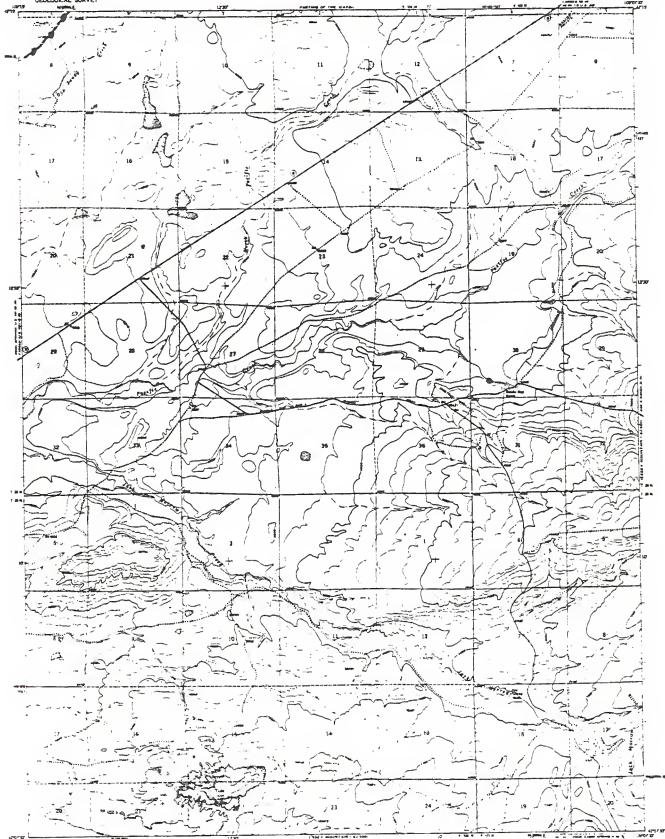


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Creek Cutoff
- Snake Creek Cutoff
- Home Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Demassey Hoadsdy Trail

▲ Site Location (trail segment no.)

SCALE 1:250,000
1:250,000 SCALE
1:250,000 SCALE

PARTING OF THE WAYS QUADRANGLE
1:250,000 SCALE
1:250,000 SCALE



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Statte Creek Cutoff
- Horns Fork Cutoff
- Blocks Fork Cutoff
- Kintney Cutoff
- Demsey-Haddock Trail

▲ Site Location (trail segment no.)

SCALE 1:100,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C.

TULE BUTTE AND
 NEARBY AREAS
 1922, 1923, 1924



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sawhorse Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horse Fork Cutoff
- Black Fork Cutoff
- Kinney Cutoff
- Dempsey Hockaday Trail
- ▲ Site Location (trail segment no.)

Scale: 1:25,000
 1 inch = 2,500 feet
 1 centimeter = 250 meters

Horizontal Scale: 1:25,000
 Vertical Scale: 1:25,000

U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C.

NOTE

TRAIL CLASSIFICATION

Trail Type: 1st Class, 2nd Class, 3rd Class, 4th Class, 5th Class, 6th Class, 7th Class, 8th Class, 9th Class, 10th Class, 11th Class, 12th Class, 13th Class, 14th Class, 15th Class, 16th Class, 17th Class, 18th Class, 19th Class, 20th Class, 21st Class, 22nd Class, 23rd Class, 24th Class, 25th Class, 26th Class, 27th Class, 28th Class, 29th Class, 30th Class, 31st Class, 32nd Class, 33rd Class, 34th Class, 35th Class, 36th Class, 37th Class, 38th Class, 39th Class, 40th Class, 41st Class, 42nd Class, 43rd Class, 44th Class, 45th Class, 46th Class, 47th Class, 48th Class, 49th Class, 50th Class, 51st Class, 52nd Class, 53rd Class, 54th Class, 55th Class, 56th Class, 57th Class, 58th Class, 59th Class, 60th Class, 61st Class, 62nd Class, 63rd Class, 64th Class, 65th Class, 66th Class, 67th Class, 68th Class, 69th Class, 70th Class, 71st Class, 72nd Class, 73rd Class, 74th Class, 75th Class, 76th Class, 77th Class, 78th Class, 79th Class, 80th Class, 81st Class, 82nd Class, 83rd Class, 84th Class, 85th Class, 86th Class, 87th Class, 88th Class, 89th Class, 90th Class, 91st Class, 92nd Class, 93rd Class, 94th Class, 95th Class, 96th Class, 97th Class, 98th Class, 99th Class, 100th Class

JENSEN MEADOWS, WYO.
 1:25,000 METRIC (TOPOGRAPHIC)
 1908



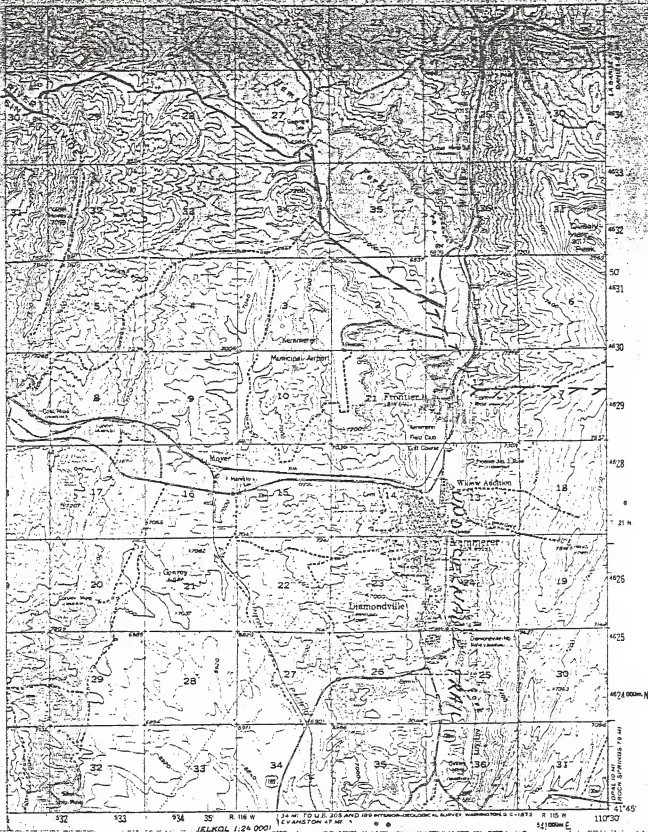
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Semmes Cutoff
- Lenox Road
- Sublette Cutoff
- Stone Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinsey Cutoff
- Dempsey Haccaday Trail

▲ Site Location (trail segment no.)

Scale 1:25,000
Vertical Exaggeration 10x
Horizontal Exaggeration 1x
Projection UTM
Datum NAD 83
Units Meter

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and meets or exceeds the requirements of the National Map Accuracy Standards
for a 1:25,000 scale map. The accuracy of the map is based on the accuracy of the source data.

DATE OF PUBLICATION
DATE OF REVISION
BY
SCALE
PROJECTION
DISTRIBUTION STATEMENT
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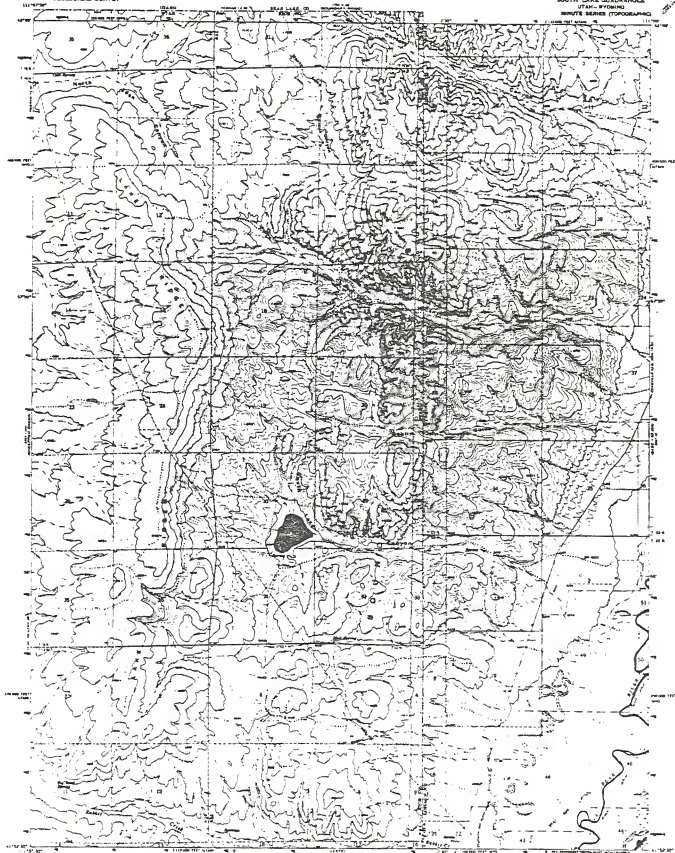


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sawtooth Cutoff
- Lander Road
- Sublette Cutoff
- Sixties Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey-Hoadsey Trail
- ▲ Site Location (See nearest map)

1:24,000
 117°30' 117°33' 117°36' 117°39' 117°42' 117°45' 117°48' 117°51' 117°54' 117°57' 118°00' W
 41°45' 41°48' 41°51' 41°54' 41°57' 42°00' N
 U.S. GEOLOGICAL SURVEY WASHINGTON, D. C. 20541
 1963



Kemmerer SE



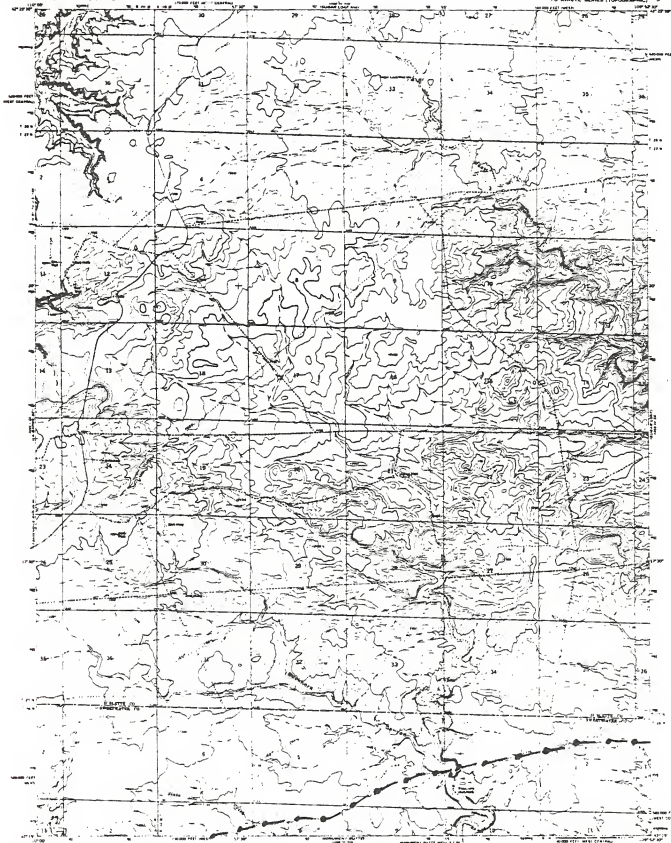
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sawnee Cutoff
- Lander Road
- Sublette Cutoff
- State Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey Macadeay Trail

▲ Site Location (trail segment no.)

SCALE 1:250,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20508

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 109-30-41-100
 100 000 000 000 000

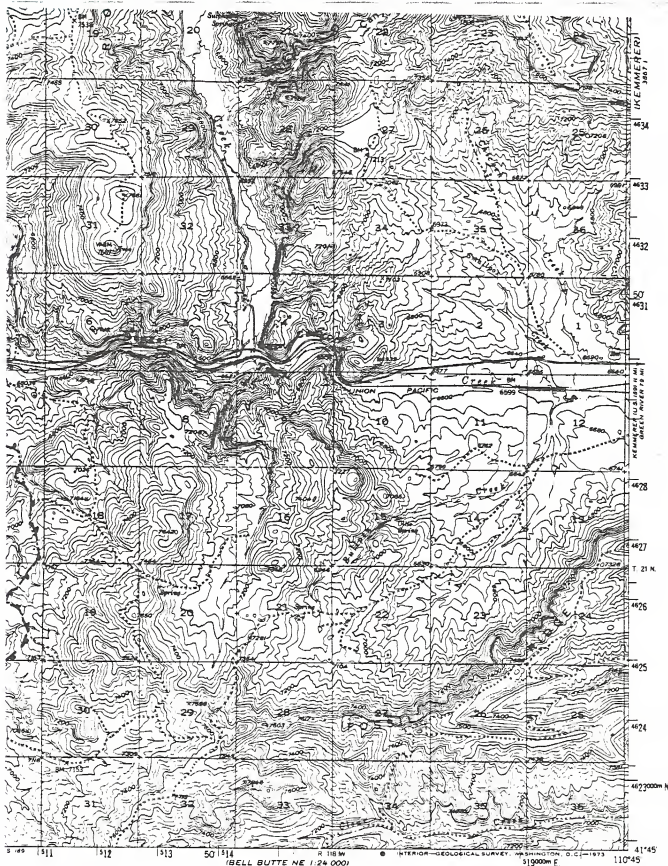


- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Seminoe Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Snake Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Black's Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demossey Hoadaday Trail
- ▲ Site Location (trail segment no.)

SCALE 1:50,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20508
 1967

ROAD CLASSIFICATION
 Federal Highway Administration
 State Highway
 County Road
 Township Road
 Private Road

GASIS WELL, WYO
 1:50,000 SCALE
 1967



110°45' 111°45' 112°45' 113°45' 114°45' 115°45' 116°45' 117°45' 118°45' 119°45' 120°45'

41°45' 42°00' 42°15' 42°30'

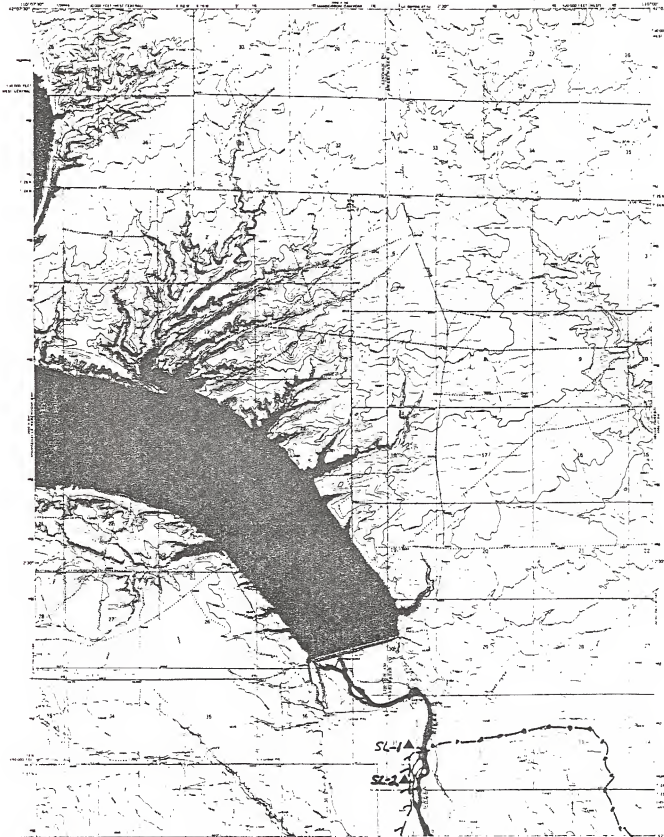
0 1 2 3 4 MILES

1:24,000

INTERIOR GEOLOGICAL SURVEY, WASHINGTON, D.C. 1973

- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Sittle Creek Cutoff
- Hams Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey Hoadaday Trail
- ▲ Site Location (trail segment no.)

Sage SE



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Chis's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Slate Creek Cutoff
- Home Fork Cutoff
- Black Fork Cutoff
- Kinney Cutoff
- Dempsey Hoadaday Trail

▲ Site Location (trail segment no.)

Scale 1:50,000
Vertical Exaggeration 10x
Horizontal Exaggeration 1x
Projection Transverse Mercator
Datum NAD 83
Units Feet
Contour Interval 20 Feet
Elevation 1000 Feet
Map Date 1964
Map Scale 1:50,000
Map Series 7.5 Minute Series
Map Sheet W-1000000
Map Sheet W-1000000
Map Sheet W-1000000

FONTENELLE RESERVOIR SE, WYO

Scale 1:50,000

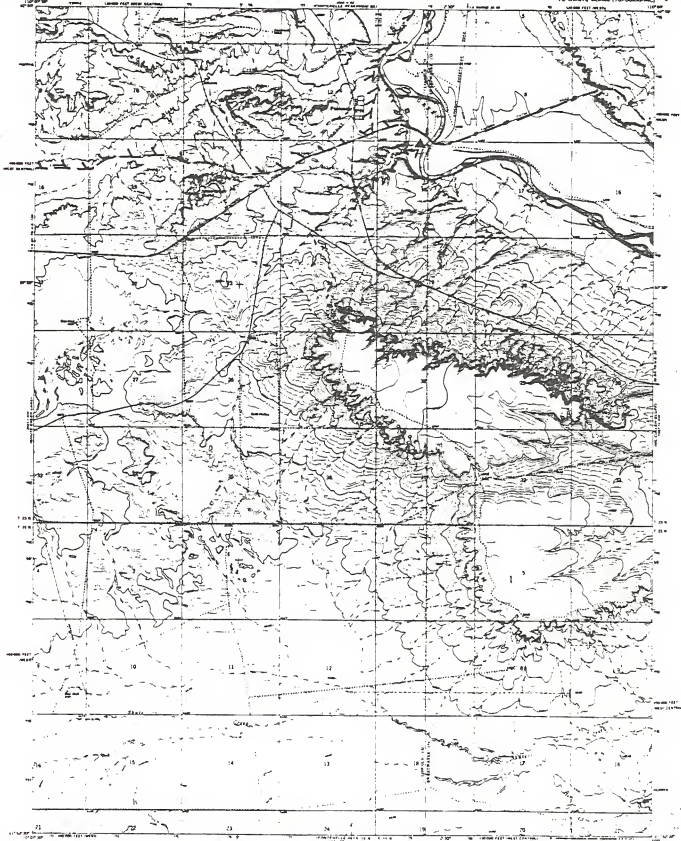
Map Date 1964

Map Series 7.5 Minute Series

Map Sheet W-1000000

Map Sheet W-1000000

Map Sheet W-1000000



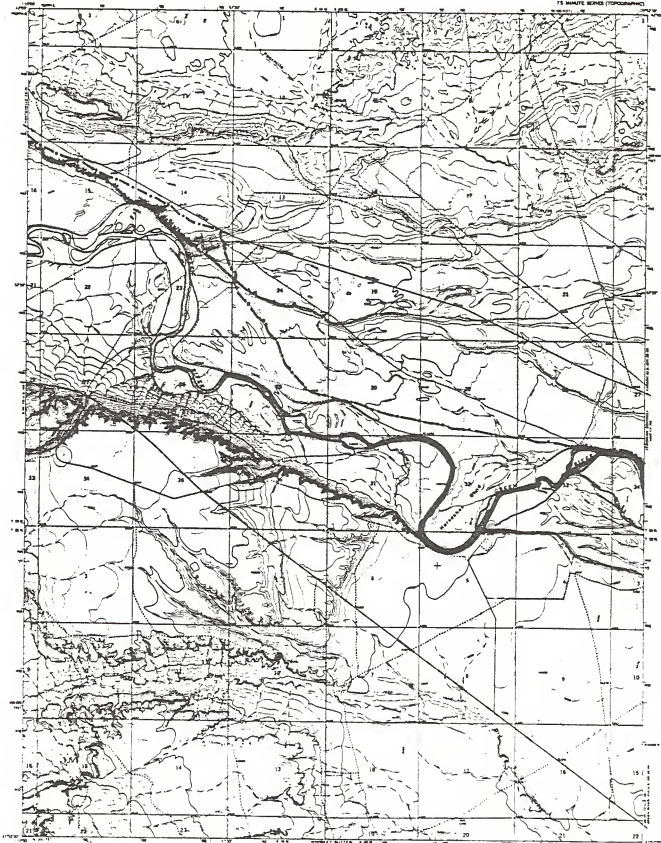
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Home Fork Cutoff
- Blacks Fork Cutoff
- Armeys Cutoff
- Campsey Hockaday Trail

▲ Site Location (trail segment no.)

UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C. 20540
GEOLOGIC MAP OF THE UNITED STATES
TOPOGRAPHIC MAP OF THE UNITED STATES
7.5 MINUTE SERIES TOPOGRAPHIC MAPS
GEOLOGIC MAP OF THE UNITED STATES
TOPOGRAPHIC MAP OF THE UNITED STATES
7.5 MINUTE SERIES TOPOGRAPHIC MAPS

FONTENELLE QUADRANGLE
SHOWING
7.5 MINUTE SERIES TOPOGRAPHIC
SCALE 1:50,000
DATE 1968

FONTENELLE 410
7.5 MINUTE SERIES TOPOGRAPHIC
DATE 1968



- ▲ Dragon Trail
 - ▲ Mormon Trail
 - ▲ Pony Express Route
 - ▲ Chick's Route
 - ▲ Seminoe Cutoff
 - ▲ Lander Road
 - ▲ Sublette Cutoff
 - ▲ Slate Creek Cutoff
 - ▲ Home Park Cutoff
 - ▲ Backs Fork Cutoff
 - ▲ Kinney Cutoff
 - ▲ Demossey Hoadaday Trail
- ▲ Site Location (trail segment no.)

SCALE 1:50,000

U.S. GEOLOGICAL SURVEY

THIS MAP IS A REPRODUCTION OF THE ORIGINAL SURVEY MAP OF THE MCDALLEN BLUFF QUADRANGLE, WYOMING STATEWATER CO., 15 MINUTE SERIES (TOPOGRAPHIC), 1904.

ROAD CLASSIFICATION

1. MAIN ROAD

2. SECONDARY ROAD

3. TERTIARY ROAD

4. UNCLASSIFIED ROAD

5. UNIMPROVED ROAD

6. UNIMPROVED ROAD

7. UNIMPROVED ROAD

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99. UNIMPROVED ROAD

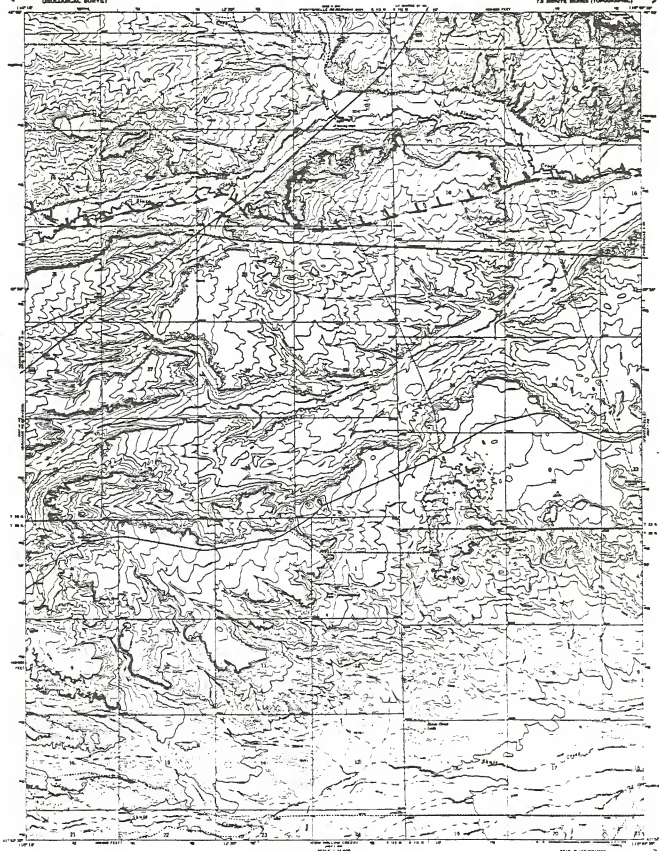
100. UNIMPROVED ROAD

MCDALLEN BLUFF WYO

1904

THE U.S. GEOLOGICAL SURVEY

MASTER



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sawtooth Cutoff
- Lander Road
- Sublette Cutoff
- Slates Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey Hockaday Trail
- Site Location (trail segment no.)

SCALE 1:100,000

Vertical Contour Interval, 10 FEET
(Except in those low levels
shown in blue on this map)

Horizontal Contour Interval, 100 FEET

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OFFICE OF THE GEOLOGICAL SURVEY. IT IS NOT TO BE REPRODUCED OR
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INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE
AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE
DIRECTOR, GEOLOGICAL SURVEY.



ROAD CLASSIFICATION

Primary Highway

Secondary Highway

Unimproved Road

Trail

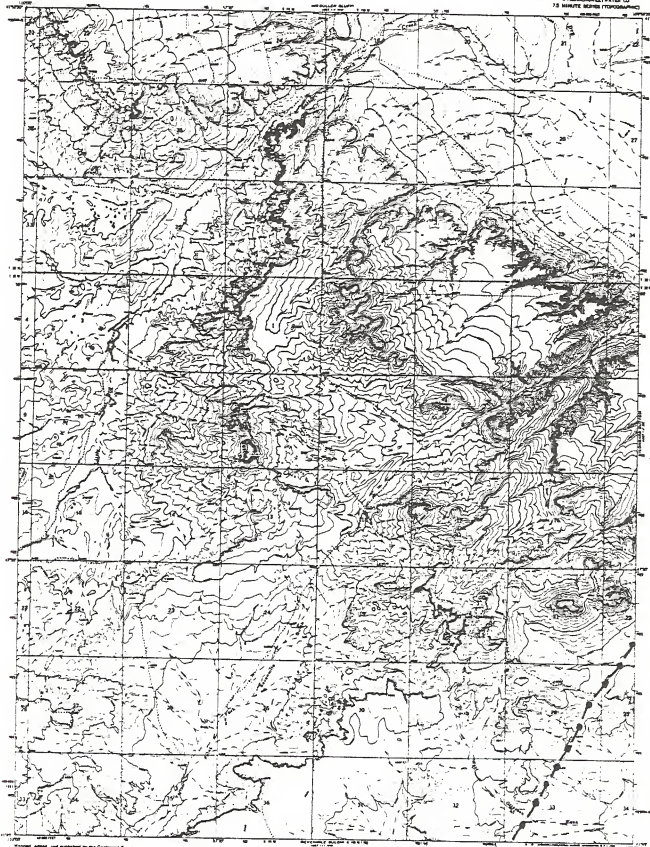
Water Course

U. S. Road

State Road

SHUTE CREEK LAKE, WYO.
SCALE 1:100,000 N.T.S.
1967

MASTER



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Semings Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slate Creek Cutoff
- ▲— Home Fork Cutoff
- ▲— Black Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demosey Hecaday Trail

▲ Site Location (trail segment no.)

Scale 1:62,500

Vertical Contour Interval
100 Feet

This map was compiled from original topographic information
from 1911 and is a reproduction of the original information with no modifications or corrections
to the original information as published in 1911.

NO SCALE

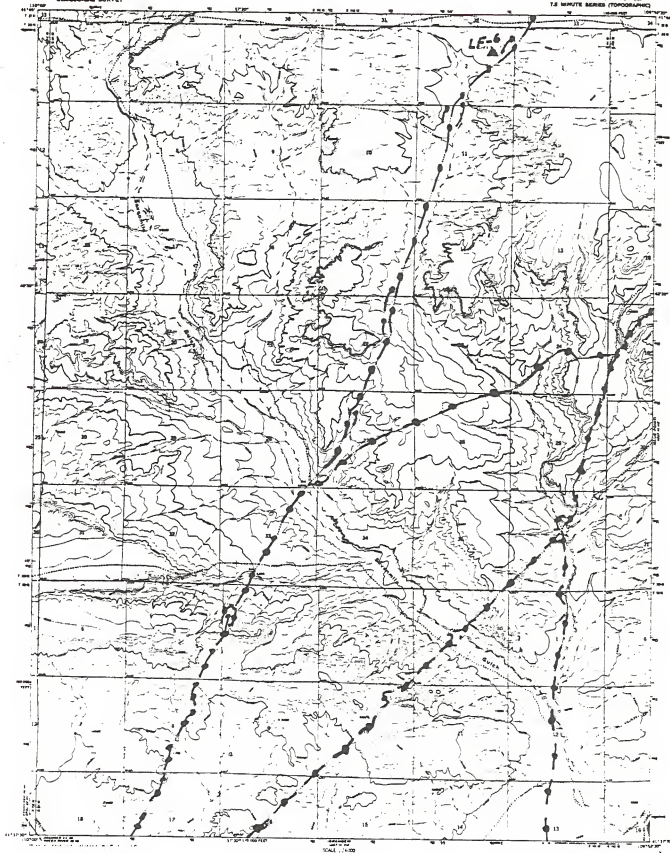
WHISKEY BUTTE, WYO

Scale 1:62,500

1911

NO SCALE

MASTER



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Jemstep Mackay Trail

▲ Site Location (trail segment no.)

SCALE 1:62,500
VERTICAL INTERVAL, 50 FEET
HORIZONTAL INTERVAL, 100 FEET
NOTE: ALL DISTANCES TO BE TAKEN ALONG TRAIL SEGMENTS

THIS MAP COMPLETES A SET OF 24 MAPS AND 200-FOOT STRIPPLINGS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DEPARTMENT OF THE INTERIOR, WASHINGTON, D. C.
1:62,500 SCALE (SEE EXPLANATION OF SYMBOLS ON REVERSE)

1940 CLASSIFICATION
U. S. GEOLOGICAL SURVEY
MASTER
SEVENHILE GULCH, WYO.
1911 (REV. 1964) 61-1
100



- Oregon Trail
- Morrison Trail
- Pony Express Route
- Child's Route
- Sumner's Cutoff
- Lander's Road
- Sublette's Cutoff
- Skains Creek Cutoff
- Stone Fork Cutoff
- Kinney's Cutoff
- Simpson's Hessian Trail
- Snake River Trail



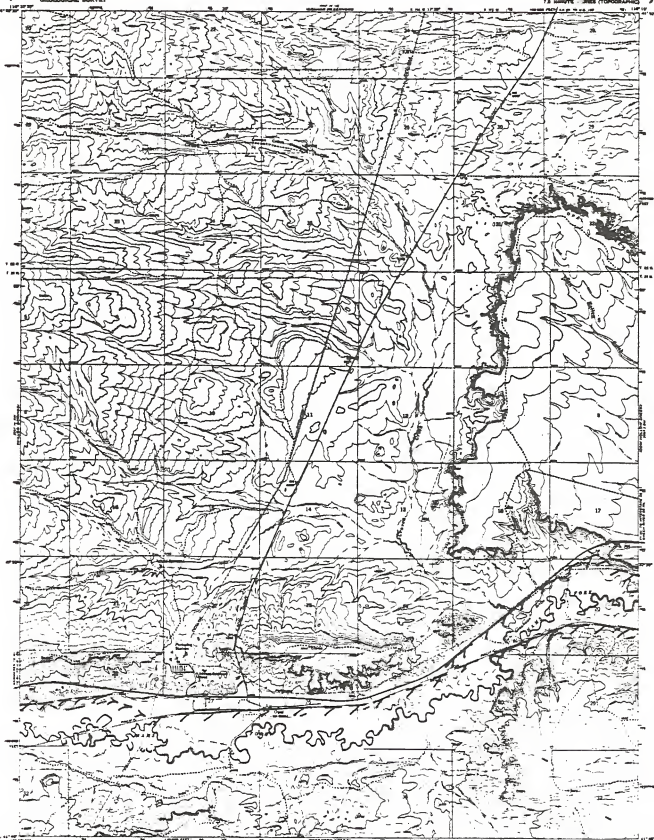
Kammerer SW



- Oregon Trail
 Mormon Trail
 Pony Express Route
 Child's Route
 Semme Cutoff
 Lander Road
 Sublette Cutoff
 Slatie Creek Cutoff
 Horns Fork Cutoff
 Rocas Fork Cutoff
 Kinsey Cutoff
 Dempsey Moccaday Trail
 Site Location (trail segment no.)

SCALE 1:50,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20540
 1968

WILLOW SPRINGS, WYO
 1968



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sawtooth Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Demsey Hoadley Trail

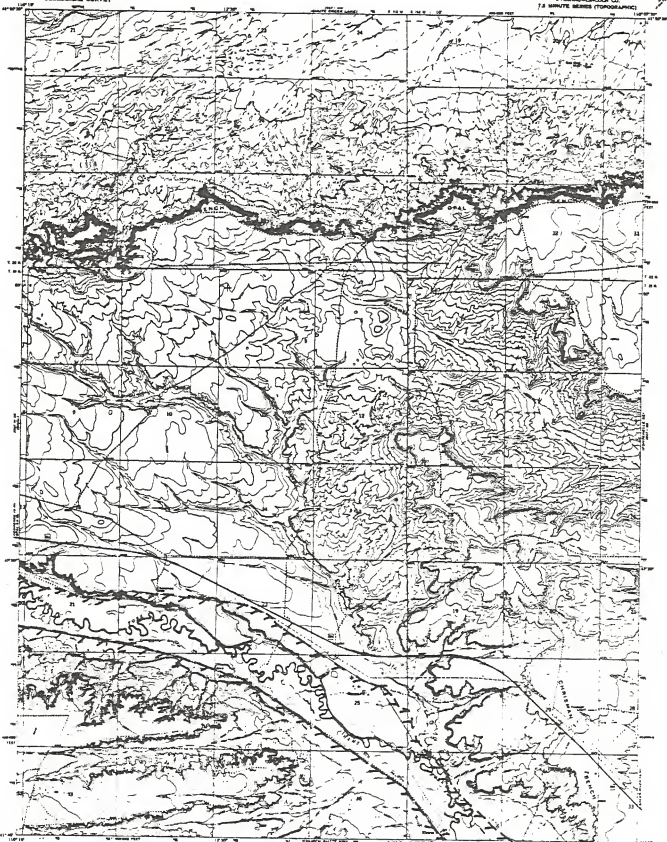
▲ Site Location (trail segment no.)

SCALE 1:2500
VERTICAL SCALE, 10 FEET
HORIZONTAL SCALE, 10 FEET
HIGHER IN SOME PLACES

THIS MAP WAS PREPARED UNDER AUTHORITY AND SUPERVISION OF THE CHIEF OF THE GEOLOGICAL SURVEY, DEPARTMENT OF THE INTERIOR, UNITED STATES OF AMERICA.

ROAD CLASSIFICATION
 Number of Lanes: 2
 Surface Material: Gravel
 Width of Road: 12
 Type of Road: Local

OPAL, WYO.
 184541-118273
 1905



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seneca Cutoff
- Lander Road
- Suptette Cutoff
- Sinks Creek Cutoff
- Hams Fork Cutoff
- Blacks Fork Cutoff
- Kameas Cutoff
- Demassey Hecadody Trail

▲ Site Location (trail segment no.)

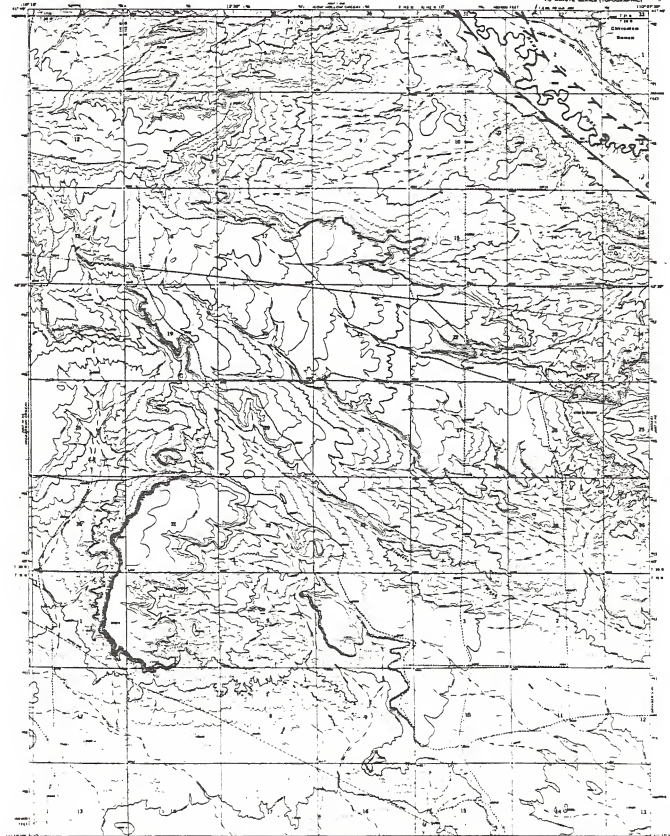
SCALE 1:50,000
CONTOUR INTERVAL, 20 FEET
VERTICAL EXAGGERATION, 10 TIMES

THIS MAP SHOWS ONLY THE PUBLIC LANDS OF THE UNITED STATES
THE BALANCE OF IT IS EITHER PRIVATELY OWNED OR BELONGS TO THE STATES OR TO OTHER FEDERAL AGENCIES

ROAD CLASSIFICATION
 Single Lane
 Two Lane
 Four Lane
 Interstate
 Other

COW HOLLOW CREEK, WYO
REVISED BY 1171 S
1968

MASTER



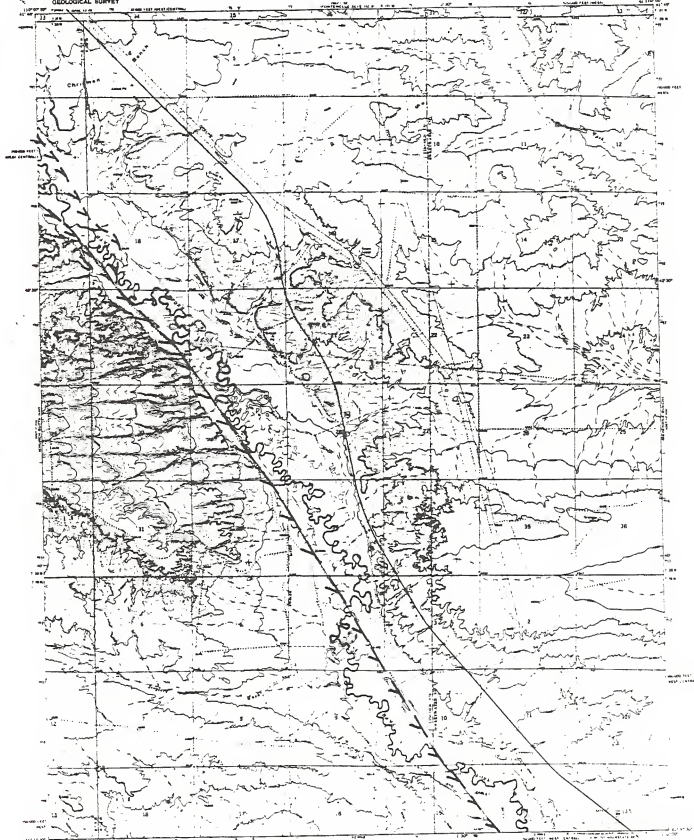
- Oregon Trail
 - Mormon Trail
 - Pony Express Route
 - Child's Route
 - Seminoe Cutoff
 - Lander Road
 - Sublette Cutoff
 - Slate Creek Cutoff
 - Home Fork Cutoff
 - Blacks Fork Cutoff
 - Kinney Cutoff
 - Dempsey Hoadley Trail
- ▲ Site Location (trail segment no.)

SCALE 1:50,000
VERTICAL EXAGGERATION 30 FEET
HORIZONTAL EXAGGERATION 1:50,000
UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C. 20508

ROAD CLASSIFICATION
National Highway
State Highway
County Highway
Other Road

CHURCH BUTTE NW, WYO.
7.5 MINUTE SERIES

1968

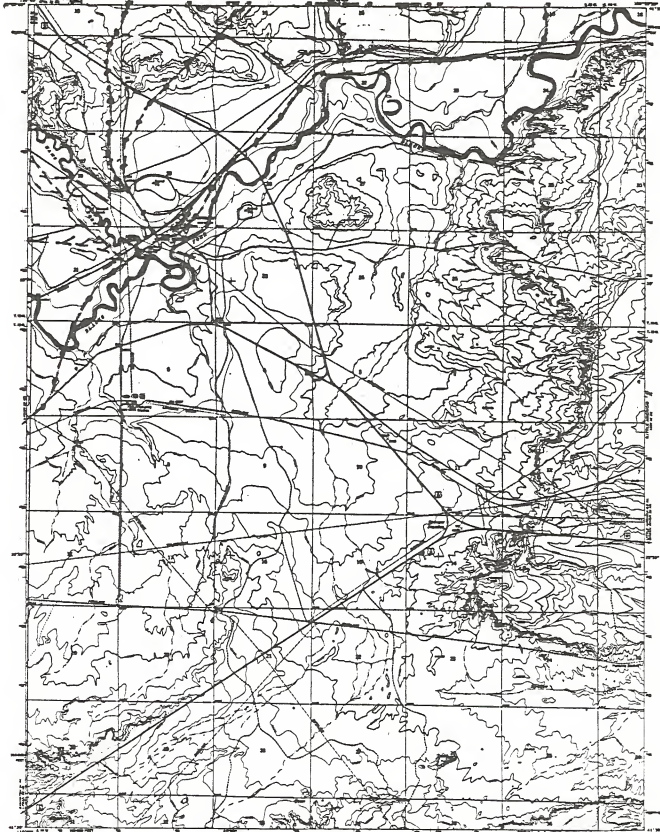


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Semmes Cutoff
- Lander Road
- Sublette Cutoff
- Stone Creek Cutoff
- Hams Fork Cutoff
- Blacks Fork Cutoff
- Kinsey Cutoff
- Demossy Macoady Trail

▲ Site Location (trail segment no.)

Scale: 1" = 1 MILE
 1887
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C.

MOGA, KYO



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Child's Route
- ▲ Seneca Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Snake Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Blacks Fork Cutoff
- ▲ Kaney Cutoff
- ▲ Demosey Hoaday Trail

▲ Site Location (trail segment no.)



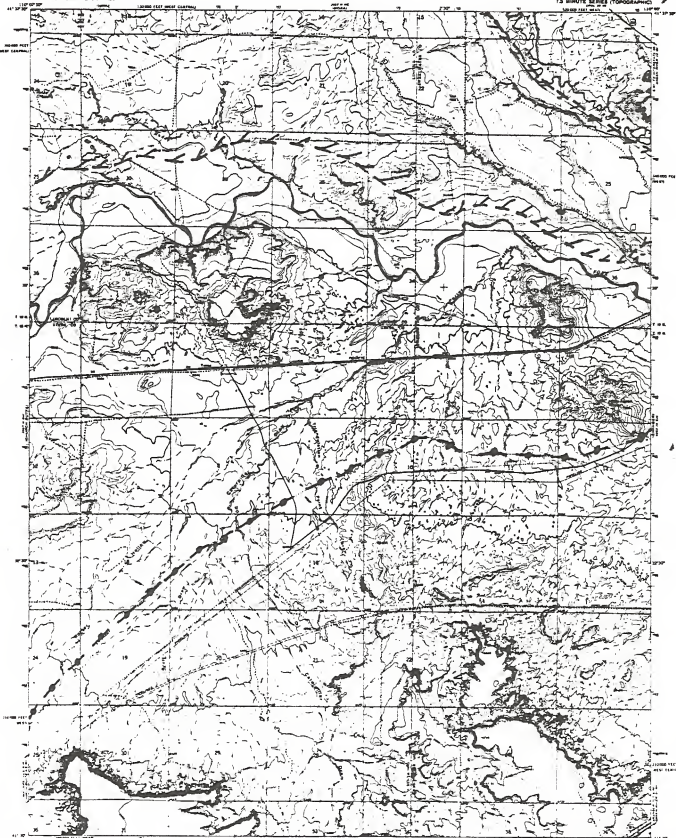
U.S. GEOLOGICAL SURVEY
WASHINGTON, D. C.















NEW SURVEY
SCALE 1:50,000
U.S. Feet

ORANGE, WYO.
1882, PLATE 179

U.S. GEOLOGICAL SURVEY



-  Oregon Trail
 -  Mormon Trail
 -  Pony Express Route
 -  Child's Route
 -  Seminoe Cutoff
 -  Lander Road
 -  Sublette Cutoff
 -  Slate Creek Cutoff
 -  Hams Fork Cutoff
 -  Blacks Fork Cutoff
 -  Kinney Cutoff
 -  Dempsey Hoadsdy T ail
- ▲ Site Location (trail segment no.)

Scale 1:25,000
1" = 250 Feet
1" = 80.467 Meters
1" = 30.48 Meters
1" = 1000 Feet
1" = 304.8 Meters
1" = 1000 Feet
1" = 304.8 Meters

Scale 1:25,000
1" = 250 Feet
1" = 80.467 Meters
1" = 30.48 Meters
1" = 1000 Feet
1" = 304.8 Meters
1" = 1000 Feet
1" = 304.8 Meters

MASTER
VERNE WYO
1895



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- State Creek Cutoff
- Horns Fork Cutoff
- Black's Fork Cutoff
- Kinsey Cutoff
- Dempsey Hoadley Trail
- ▲ Site Location (trail segment no.)

SCALE: 1:62,500
VERTICAL SCALE: 1" = 100 FEET
CONTOUR INTERVAL: 20 FEET
ELEVATION ABOVE SEA LEVEL IN FEET

THIS MAP SHOWS ONLY FEATURES AND MEASUREMENTS OF WHICH THE BUREAU OF GEOLOGICAL SURVEY HAS POSITIVE KNOWLEDGE. IT IS NOT INTENDED TO BE USED AS A BASIS FOR TITLE OR AS A BASIS FOR ANY OTHER PURPOSE.

ROAD CLASSIFICATION

Primary Highway ————

Secondary Highway ————

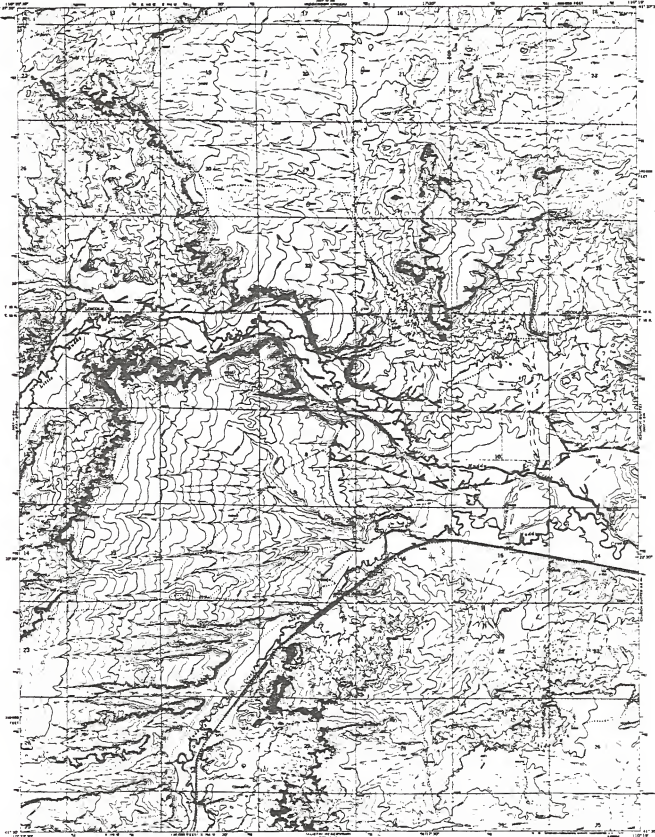
Unimproved Road ————

Trail Road ————

Other Road ————

CHURCH BUTTE, WYO
1963-64
1:62,500

MASTER



- Oregon Trail
- Malheur Trail
- Pony Express Route
- Child's Route
- Sarnicus Cutoff
- Lanzer Road
- Sublette Cutoff
- Snake Creek Cutoff
- Hams Fork Cutoff
- Blocks Park Cutoff
- Kinsey Cutoff
- Demsey-Hoadley Trail
- Site Location (trail segment no.)

SCALE 1:25,000

CONTOUR INTERVAL, 40 FEET

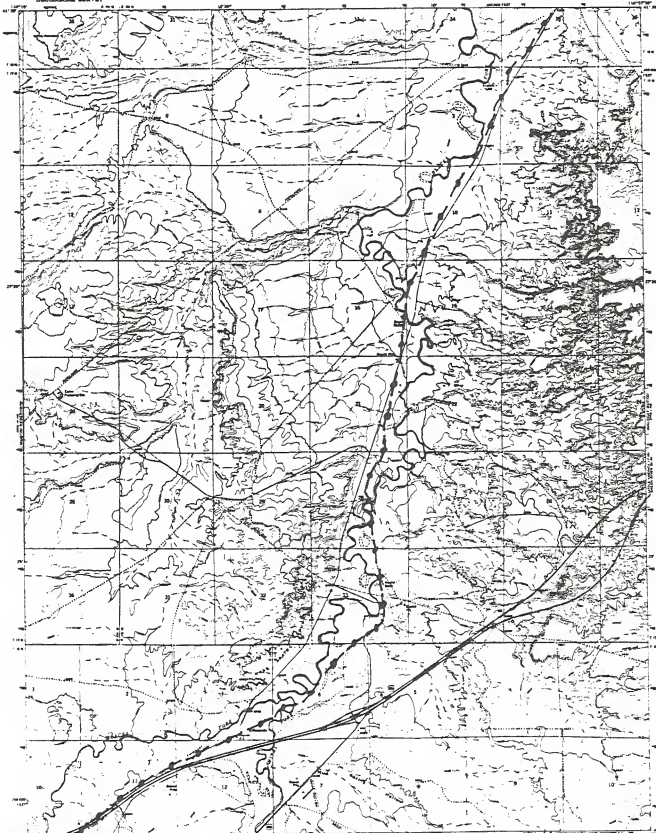
VERTICAL INTERVAL, 100 FEET

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ROAD CLASSIFICATION

Double Highway	4	Double Road	4
Single Highway	3	Single Road	3
Unimproved Road	2	Unimproved Road	2
Trail	1	Trail	1

HAMPTON, WYO
1:25,000
1954



- Oregon Trail
 - Mormon Trail
 - Pony Express Route
 - Child's Route
 - Seminoe Cutoff
 - Lander Road
 - Sublette Cutoff
 - Snake Creek Cutoff
 - Horns Fork Cutoff
 - Blacks Fork Cutoff
 - Kinney Cutoff
 - Dempsey McCaskey Trail
- ▲ Site Location (trail segment no.)

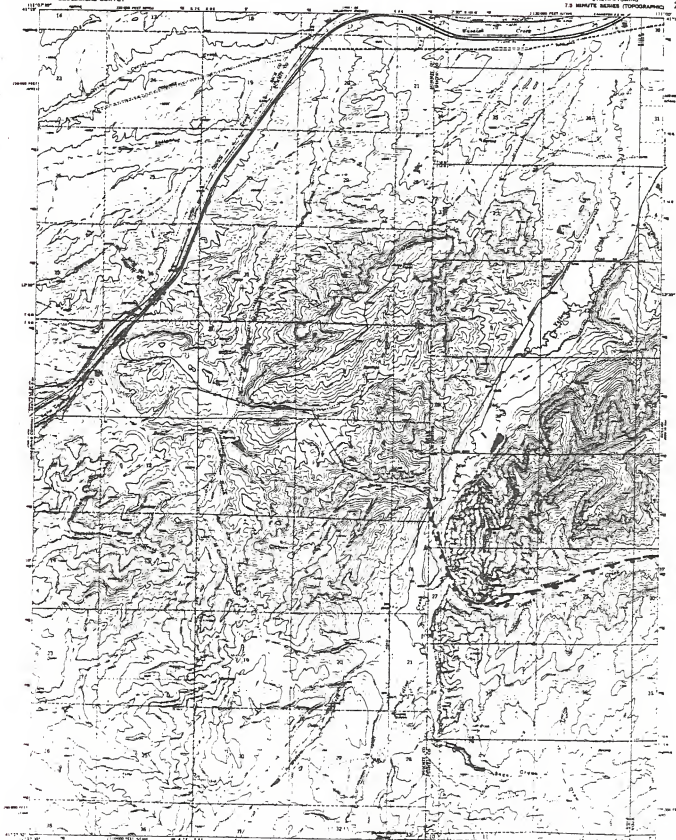
SCALE 1:250,000
GEOLOGICAL SURVEY OF THE UNITED STATES
WASHINGTON, D. C. 20540
DATE 1953, REVISION MAY 1957

ROAD CLASSIFICATION
— Interstate
— U.S. Highway
— State Road
— County Road
— Private Road

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MILLERSVILLE, WYO.
1:250,000
1953

MASTER



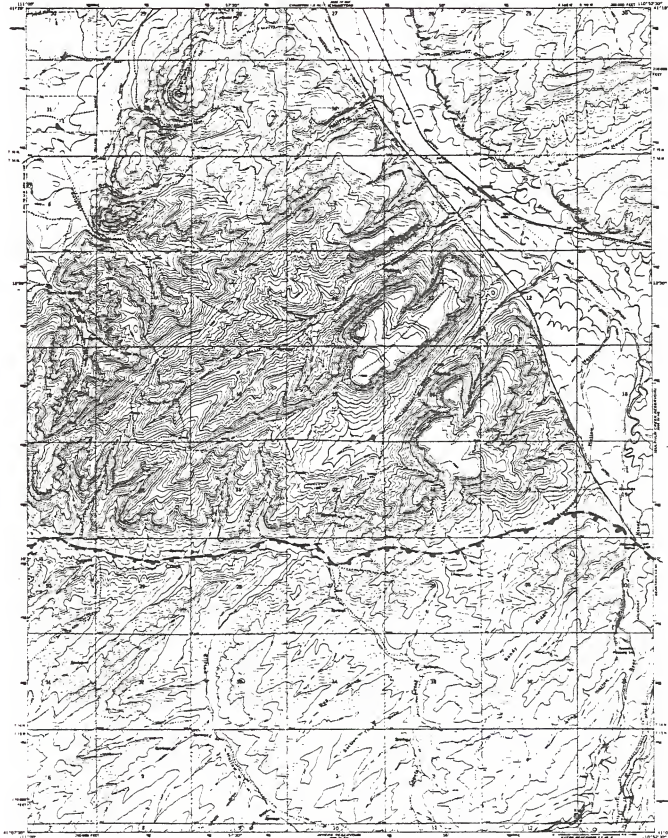
- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Chief's Route
- ▲— Seminoe Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Snake Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Blakes Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dempsey Macoaday Trail

▲ Site Location (trail segment no.)

Scale: 1 inch = 1 mile
 1:62,500
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C.

Scale: 1 inch = 1 mile
 1:62,500
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C.

WASATCH, UTAH-WYO
 7.5 MINUTE SERIES
 1910



- ▲— Oregon Trail
 - ▲— Norman Trail
 - ▲— Pony Express Route
 - ▲— Child's Route
 - ▲— Seminoe Cutoff
 - ▲— Lander Road
 - ▲— Sublette Cutoff
 - ▲— Snake Creek Cutoff
 - ▲— Horns Fork Cutoff
 - ▲— Kinsey Cutoff
 - ▲— Dempsey Hoadaday Trail
- ▲ Site Location (trail segment no. 1)



THIS MAP SHOWS ONLY PARTIAL INFORMATION. FOR COMPLETE INFORMATION
SEE MAPS OF U.S.G.S. 7.5 MINUTE SERIES (TOPOGRAPHIC) SERIES AND SUPPLEMENTAL TO 6 SERIES
1:50,000 SCALE. FOR MORE INFORMATION, CONTACT THE GEOLOGICAL SURVEY, WASHINGTON, D.C. 20508

HILLIS, WYO
7.5 MINUTE SERIES (TOPOGRAPHIC)
1:50,000 SCALE



- Oregon Trail
 Mormon Trail
 Pony Express Route
 Child's Route
 Lemmon Cutoff
 Lander Road
 Sublette Cutoff
 Stone Creek Cutoff
 Horns Fork Cutoff
 Blocks Fork Cutoff
 Kinney Cutoff
 Dempsey Hockaday Trail
 Site Location (trail segment no.)

SCALE 1:60,000

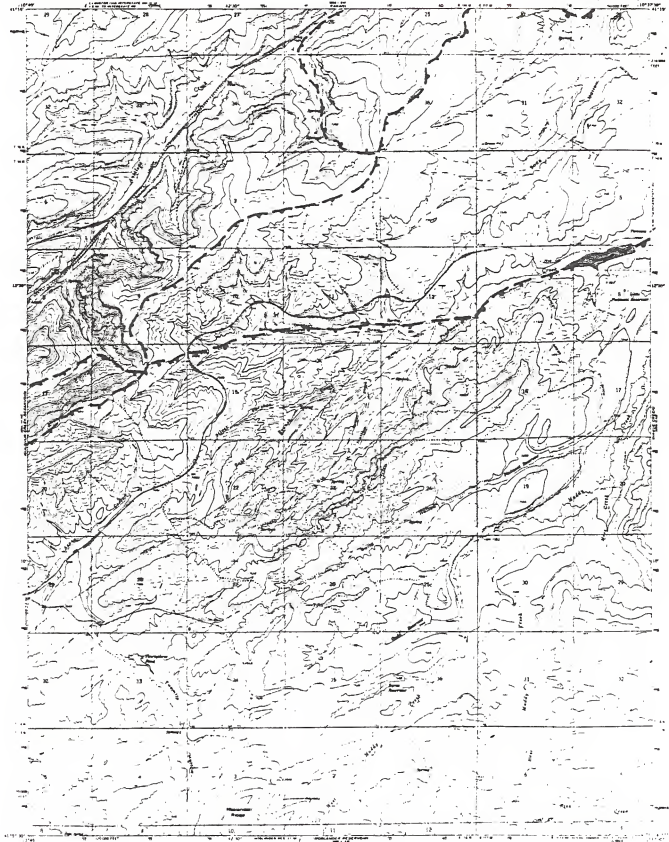
UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20540
 THIS MAP WAS PREPARED BY THE
 NATIONAL GEODESIC SURVEY, BUREAU OF THE
 UNITED STATES GEOLOGICAL SURVEY

THIS MAP SHOWS ONLY FEATURES OF NATIONAL INTEREST
 FOR SALE BY THE GEOLOGICAL SURVEY, DEPARTMENT OF THE INTERIOR, WASHINGTON, D. C.
 *Values indicated on this map were current as of the date of publication.

U.S. CLASSIFICATION

SILPHUS CREEK RESERVOIR, WYO.

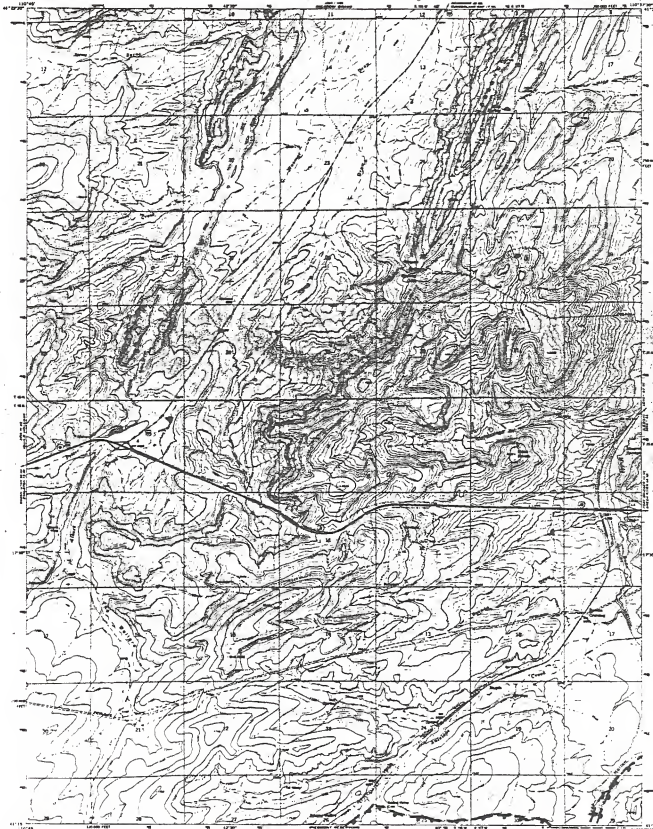
1:60,000
 1967
 1:60,000



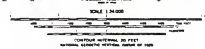
- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Chis's Route
- ▲ Seminoe Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Snake Creek Cutoff
- ▲ Hama Fork Cutoff
- ▲ Black's Fork Cutoff
- ▲ Kinsey Cutoff
- ▲ Demassey McCaddy Trail
- ▲ Site Location (trail segment no.)

SCALE 1:24,000
 U.S. GEOLOGICAL SURVEY
 NATIONAL CENTER FOR GEOGRAPHIC INFORMATION
 WASHINGTON, D.C. 20540
 1987 RELEASE UNDER E.O. 14176

PIEDMONT RESERVOIR WYO



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey-Hecadady Trail

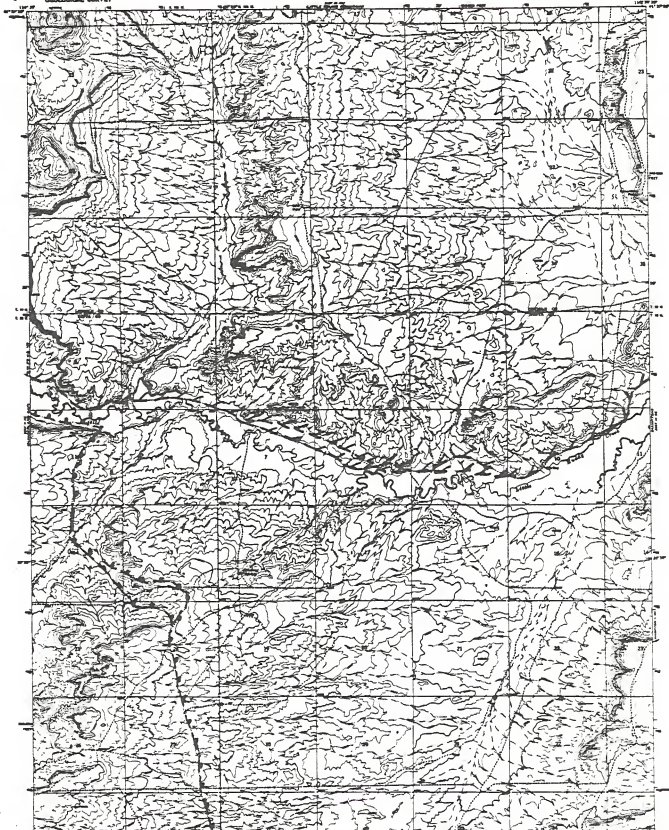


THE DISTANCE BETWEEN ANY TWO POINTS ON THIS MAP IS NOT NECESSARILY THE SAME AS THE DISTANCE BETWEEN THE SAME TWO POINTS ON THE GROUND.

ROAD CLASSIFICATION
 National Highway
 State Road
 U.S. Road

RADAM, WYO.
 1891-1901
 1:25,000 SCALE

▲ Site Location (trail segment no.)



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Simmons Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slare Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Demsey-Hocaday Trail

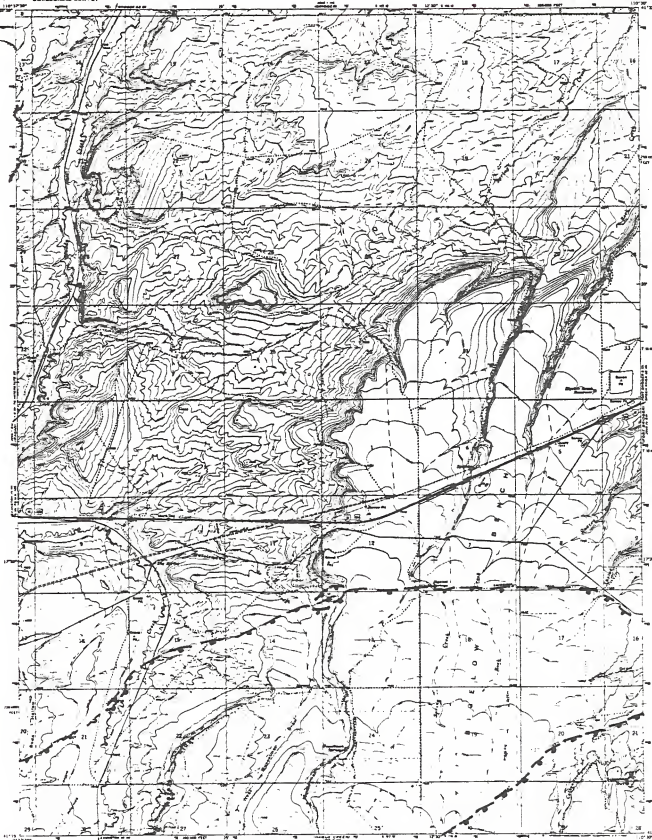
▲ Site Location (trail segment no. 1)



ROCK CLASSIFICATION

Sandstone
 Shale
 Limestone
 Gneiss
 Granite
 Basalt
 Tuff
 Conglomerate
 Sandstone
 Shale
 Limestone
 Gneiss
 Granite
 Basalt
 Tuff
 Conglomerate

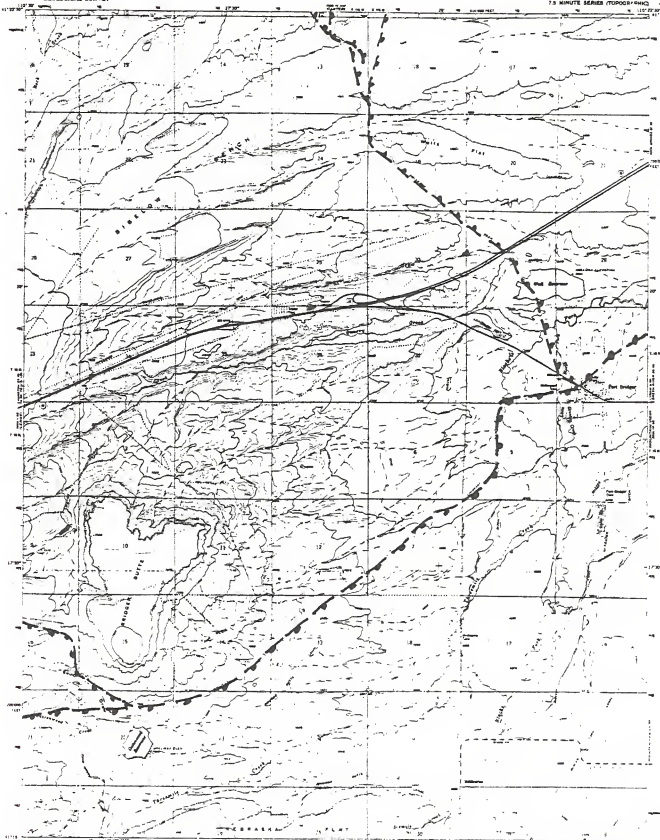
MULKEY SPRING, WYO.
1887



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Senneca Cutoff
- Lander Road
- Sublette Cutoff
- Stone Creek Cutoff
- Horns Fork Cutoff
- Kinney Cutoff
- Dempsey Hockaday Trail

Scale 1:250,000
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20540
 1967

LERROY, WYO
 1:250,000
 1967



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Sawmice Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blocks Fork Cutoff
- Kinney Cutoff
- Demassey Hockaday Trail
- Site Location (trail segment no.)

SCALE 1:250,000

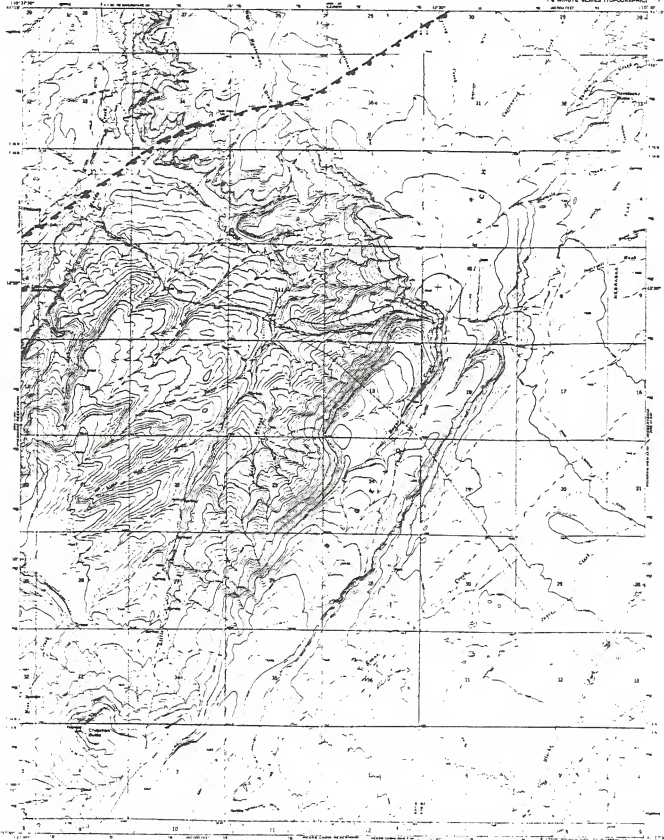
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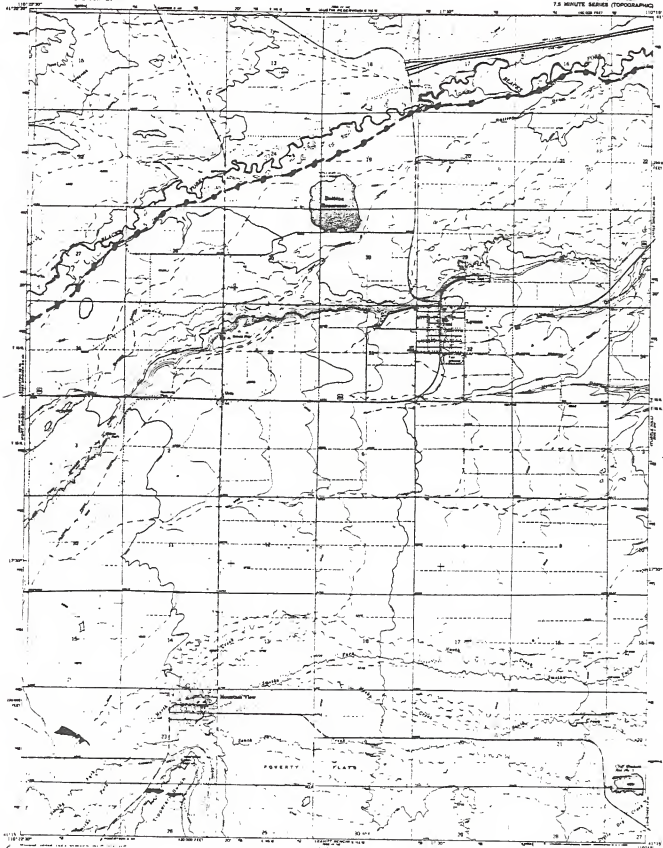


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Semmon Cutoff
- Lander Road
- Sublette Cutoff
- Stone Creek Cutoff
- Horse Fork Cutoff
- Blackie Fork Cutoff
- Kinney Cutoff
- Demsey Hoadley Trail
- Site Location (trail segment no.)

SCALE 1:50,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20540
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HAGUE CREEK, WYO
 1:50,000
 1967

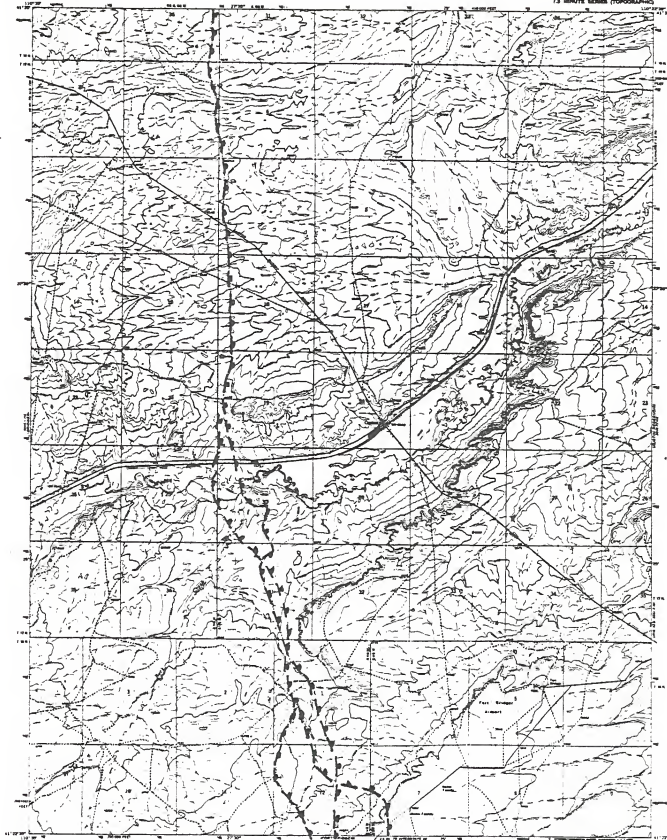


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Sicte Creek Cutoff
- Horns Jut Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Semprey Hockaday Trail

▲ Site Location (trail segment no.)

Scale: 1:50,000
 1 inch = 1 mile
 1 centimeter = 1000 meters

ROAD CLASSIFICATION
 National Highway
 State Highway
 U.S. Road
 MOUNTAIN VIEW WYO.
 1954 (REVISED 1955)



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinsey Cutoff
- Demossy Hockaday Trail

▲ Site Location (trail segment no.)

SCALE 1:25,000

VERTICAL DATUM: MEAN SEA LEVEL

UNITED STATES GEOLOGICAL SURVEY

WASHINGTON, D. C. 20540

1984

ROAD CLASSIFICATION

Interstate Highway

U.S. Highway

State Highway

County Road

Local Road

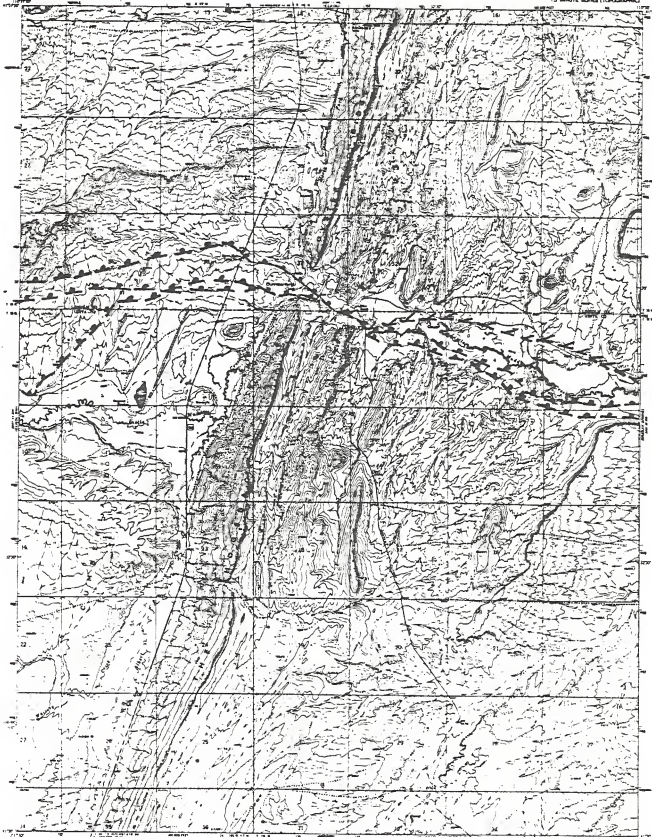
Trail

Other

CARTER, WYO.

7.5 MINUTE SERIES (TOPOGRAPHIC)

1984



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Semmes Cutoff
- Linder Road
- Sabette Cutoff
- Slate Creek Cutoff
- Hains Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Donsey Haddocky Trail
- Site Location (train segment no.)

SCALE 1:4000

VERTICAL DISTANCE IN FEET

VERTICAL DISTANCE IN METERS

VERTICAL DISTANCE IN FEET

VERTICAL DISTANCE IN METERS

THE MAP SHOWS ONLY FEATURES AND RELIEF FEATURES
FOR SALE BY THE GEOLOGICAL SURVEY THROUGH DISTRICT OFFICES OR NATIONAL GEOSPATIAL DATA
A FURTHER EXPLANATION OF THE SYMBOLS IS GIVEN ON SHEET 1000

ROAD CLASSIFICATION

Major Road

Minor Road

Trail

CUMBERLAND GAP WY0
SCALE 1:4000
DATE 1967



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Lemmon Cutoff
- Lander Road
- Sublette Cutoff
- State Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey Hoadaday Trail
- ▲ Site Location (trail segment no.)



BLISS, BY
75 SQUARE MILES
TYPICAL



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blackie Fork Cutoff
- Kinney Cutoff
- Dempsey Hockaday Trail

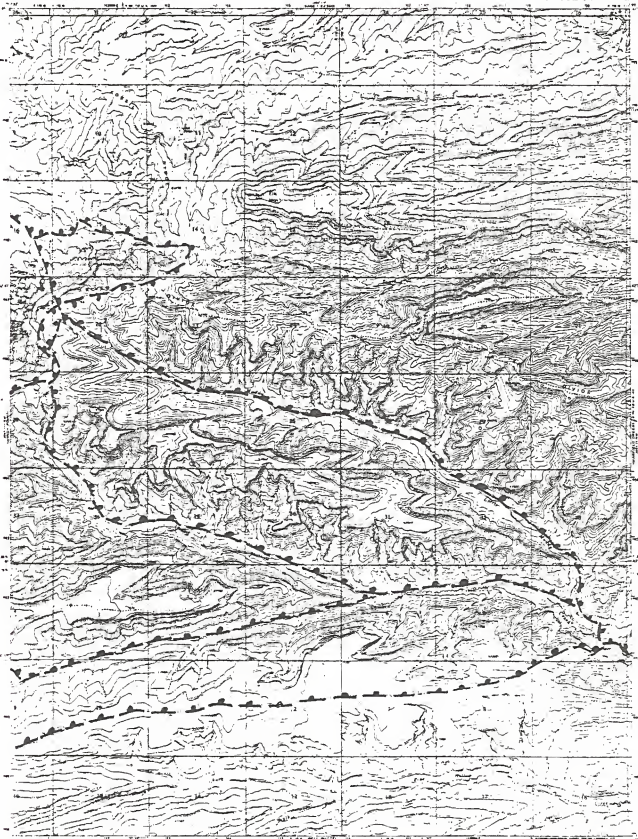
▲ Site Location (trail segment no.)



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THE WORK OF U. S. GEOLOGICAL SURVEY, 1909
U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C.



WARFIELD CREEK, WYO.
1909



- ▲— Oregon Trail
- ▲— Marmos Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Semmoie Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slate Creek Cutoff
- ▲— Hams Fork Cutoff
- ▲— Black's Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dempsey MacJury Trail
- ▲ Site Location (trail segment no.)

SCALE 1:25,000
 NATIONAL GEOLOGICAL SURVEY
 GEORGE B. BARRETT, CHIEF
 NATIONAL GEOPHYSICAL CENTER
 WASHINGTON, D. C. 20508

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 A COLOR-BLENDED EDITION OF THIS MAP IS AVAILABLE AS A SEPARATE PUBLICATION.

AND LOCATION
 PROVIDED BY
 BELL BUTTE NE 40' X 60'
 1:25,000 SCALE
 NATIONAL GEOPHYSICAL CENTER



- ▲—▲— Oregon Trail
- ▲—▲— Mormon Trail
- ▲—▲— Pony Express Route
- ▲—▲— Child's Route
- ▲—▲— Semmes Cutoff
- ▲—▲— Lander Road
- ▲—▲— Sublette Cutoff
- ▲—▲— Stevie Creek Cutoff
- ▲—▲— Horns Fork Cutoff
- ▲—▲— Blacks Fork Cutoff
- ▲—▲— Kinney Cutoff
- ▲—▲— Demossy Hecadey Trail

▲ Site Location (trail segment no.)



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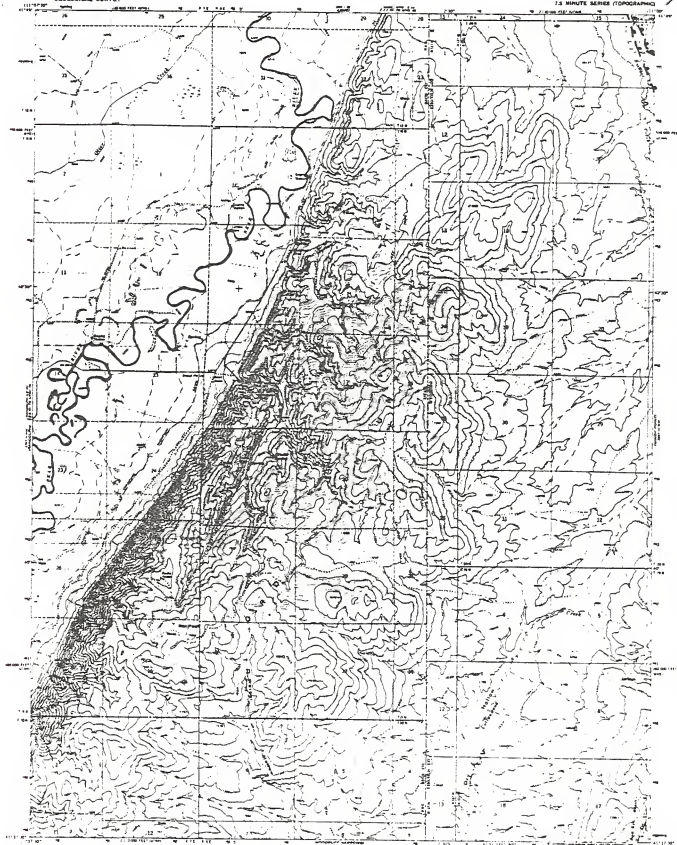
WMO CLASSIFICATION

WINDY POINT, WYO

7.5-MINUTE SERIES

SCALE 1:50,000

DATE OF ISSUE: 1968



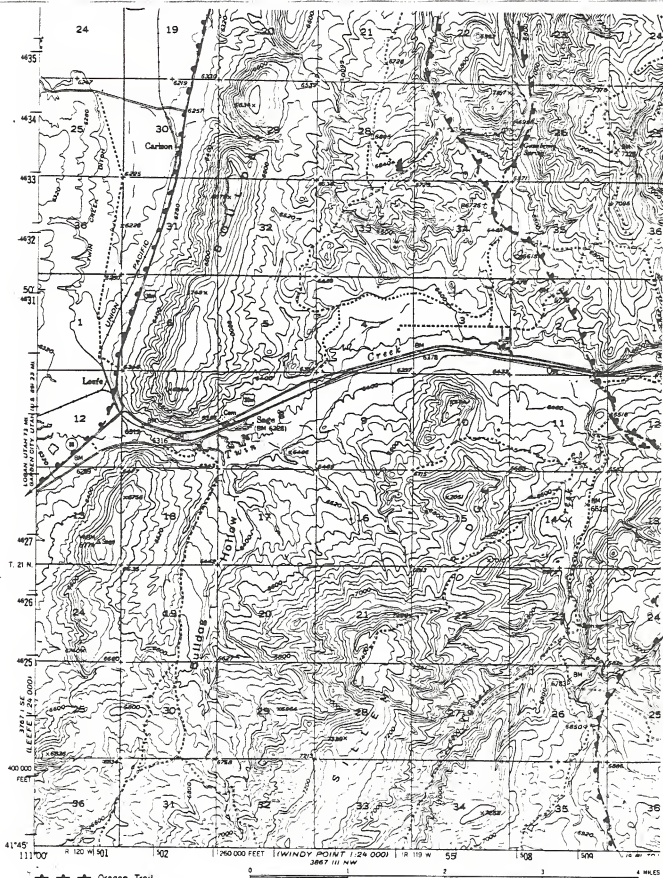
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey-Cocaddy Trail

▲ Site Location (trail segment no.)

SCALE 1:25,000
 UNITED STATES GEOLOGICAL SURVEY
 WASHINGTON, D. C. 20508
 1967
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ROAD CLASSIFICATION
 1" = 1/4" MILE
 1" = 1/2" MILE
 1" = 1 MILE

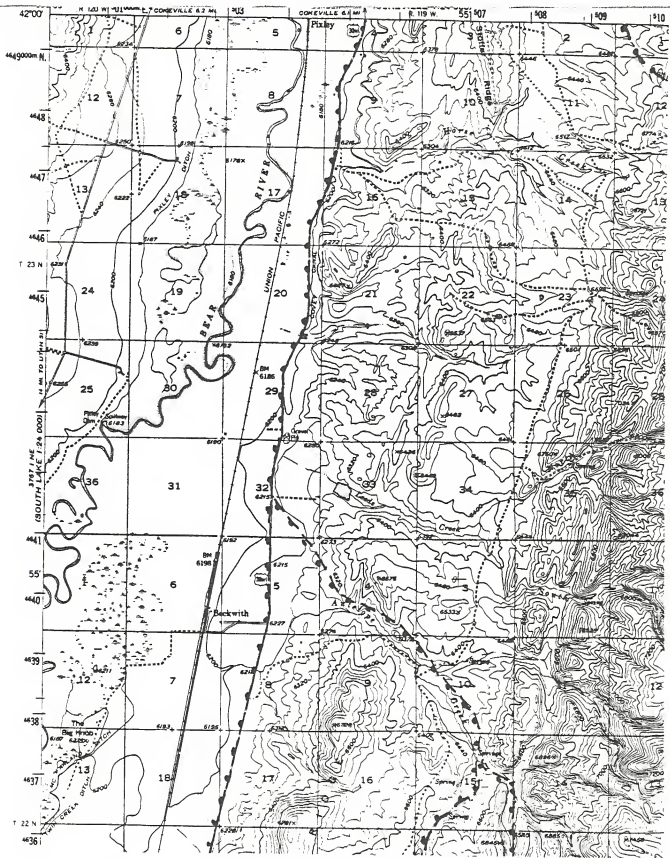
REX PEAK, UTAH-WYO.
 1:25,000
 1967



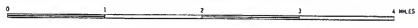
- ▲ Site Location (trail segment no.)
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Siette Creek Cutoff
- Horns Fork Cutoff
- Blacks Fork Cutoff
- Kinney Cutoff
- Dempsey Hoadaday Trail

Sage SW

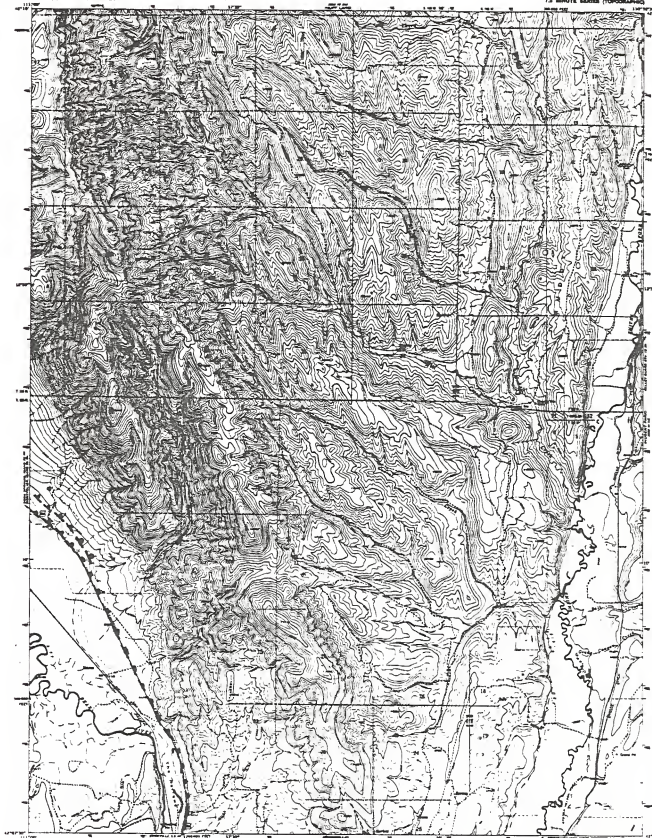
0 1 2 3 4 MILES



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Seminole Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slatte Creek Cutoff
- ▲— Hams Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dampsey Hockaday Trail
- ▲ Site Location (trail segment no.)



Sage NW



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Seminole Cutoff
- ▲— Lonsler Road
- ▲— Sublette Cutoff
- ▲— Snake Creek Cutoff
- ▲— Horns Fork Cutoff
- ▲— Black's Fork Cutoff
- ▲— Kinsey Cutoff
- ▲— Dempsey Hockaday Trail

▲ Site Location (trail segment no.)

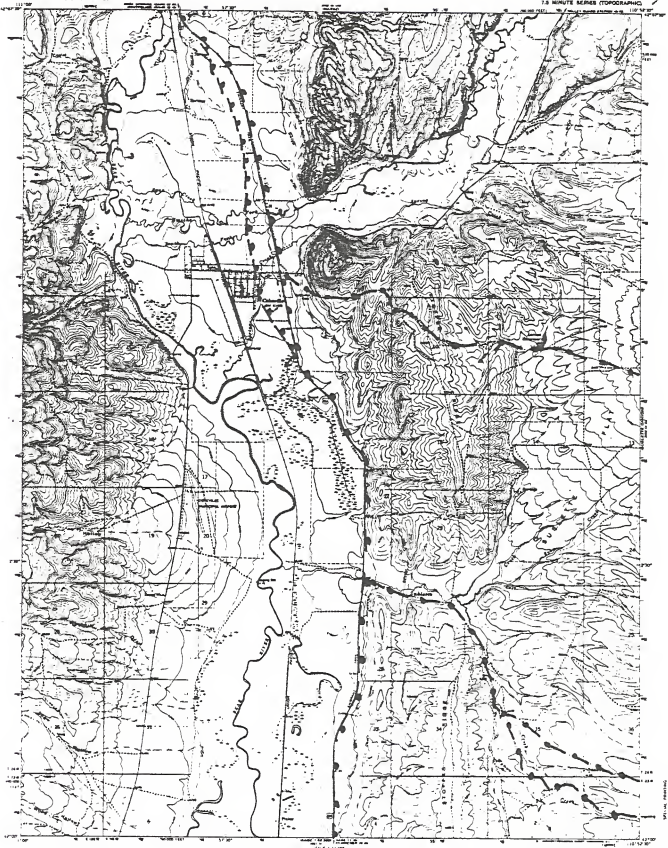
SCALE 1 MILE

CONTINENTAL DIVISION, GEOLOGICAL SURVEY
WASHINGTON, D. C.

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U. S. GEOLOGICAL SURVEY
HAIRSE, WYO.
MAP NO. 1000-1000-1000



- Oregon Trail
 - Mormon Trail
 - Pony Express Route
 - Child's Route
 - Sawmills Cutoff
 - Lander Road
 - Sublette Cutoff
 - Sotte Creek Cutoff
 - Horns Fork Cutoff
 - Biogas Fork Cutoff
 - Kinsey Cutoff
 - Dempsey Hockaday Trail
- ▲ Site Location (trail segment no.)

SCALE 1:50,000

UNITED STATES GEOLOGICAL SURVEY

COKEVILLE QUADRANGLE, WYOMING-LINCOLN COUNTY

7.5 MINUTE SERIES (TOPOGRAPHIC)

1954

COKEVILLE, WYO.

7.5 MINUTE SERIES (TOPOGRAPHIC)

1954



- ▲ Site Location (trail segment no.)
- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Samson's Cutoff
- Lander Road
- Sublette Cutoff
- State Creek Cutoff
- Hams Fork Cutoff
- Brooks Fork Cutoff
- Kinsey Cutoff
- Demsey Hocoody Trail

SCALE 1:48,000

VERTICAL DATUM: MEAN SEA LEVEL

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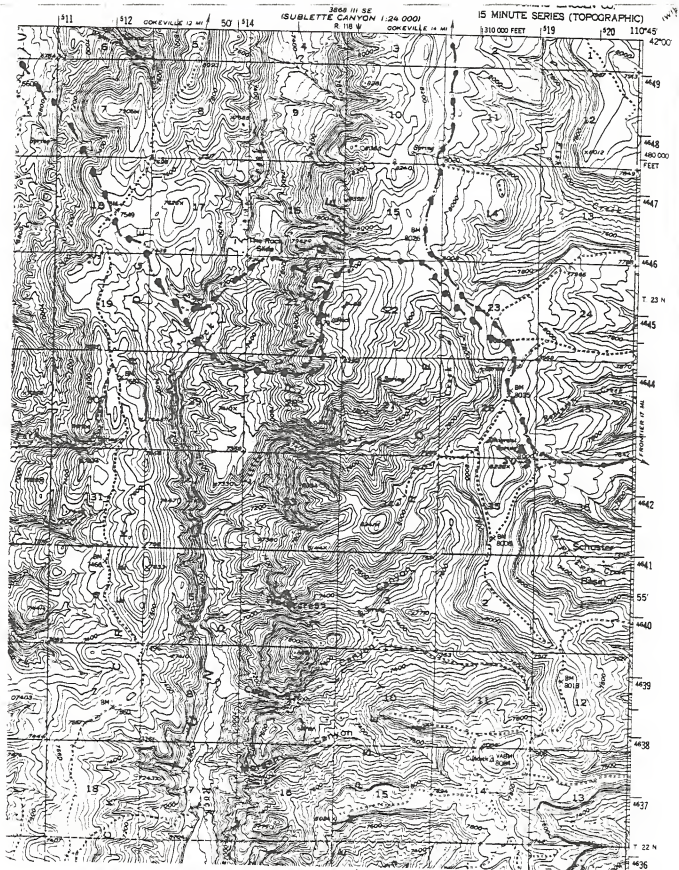
ROAD CLASSIFICATION

SUBLETTE CANYON, WYO

1:48,000

1967

U.S. GEOLOGICAL SURVEY



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Sloths Creek Cutoff
- Horns Fork Cutoff
- Blocks Fork Cutoff
- Kinney Cutoff
- Dempsey Hacoddy Trail

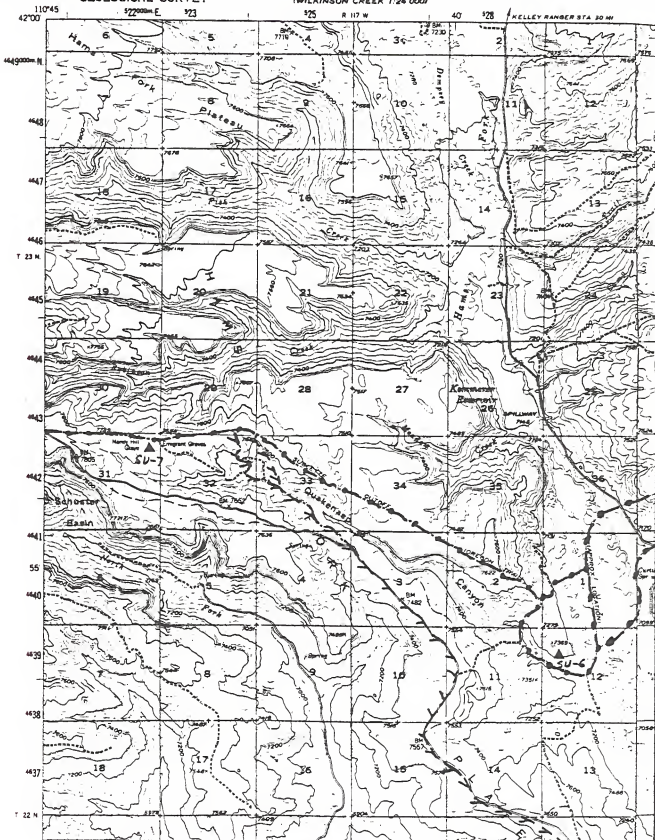
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Sage NE

▲ Site Location (trail segment no.)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(WILKINSON CREEK 1:24 000)



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Semmon Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— State Creek Cutoff
- ▲— Hams Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dempsey Hoaday Trail
- ▲ Site Location (trail segment no.)

Kemmerer NW



- ▲ Oregon Trail
- ▲ Mormon Trail
- ▲ Pony Express Route
- ▲ Chief's Route
- ▲ Senneca Cutoff
- ▲ Lander Road
- ▲ Sublette Cutoff
- ▲ Snake Creek Cutoff
- ▲ Horns Fork Cutoff
- ▲ Black Fork Cutoff
- ▲ Kinsey Cutoff
- ▲ Dempsey Hoadaday Trail

▲ Site Location (trail segment no.)



1957
WILKINSON CREEK, WYO.
1:250,000
U.S. GEOLOGICAL SURVEY

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- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Sitka Creek Cutoff
- Home Fork Cutoff
- Brass Fork Cutoff
- Kinney Cutoff
- Dempsey-McCorday Trail
- Site Location (from section on 1)

SCALE 1:50,000
VERTICAL SCALE 1:50,000
HORIZONTAL SCALE 1:50,000
EQUIDISTANT PROJECTION
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GEOGRAPHIC COORDINATES
NAD 83
UTM ZONE 18N
Easting 600,000
Northing 4,500,000
Datum: NAD 83
Projection: UTM
Units: Meter

ROAD CLASSIFICATION
STATE HIGHWAY
COUNTY ROAD
UNIMPROVED ROAD
UNIMPROVED TRAIL

SOUTH FORK MOUNTAIN, WYO
BLANK-111207-1
1:50,000
1:50,000

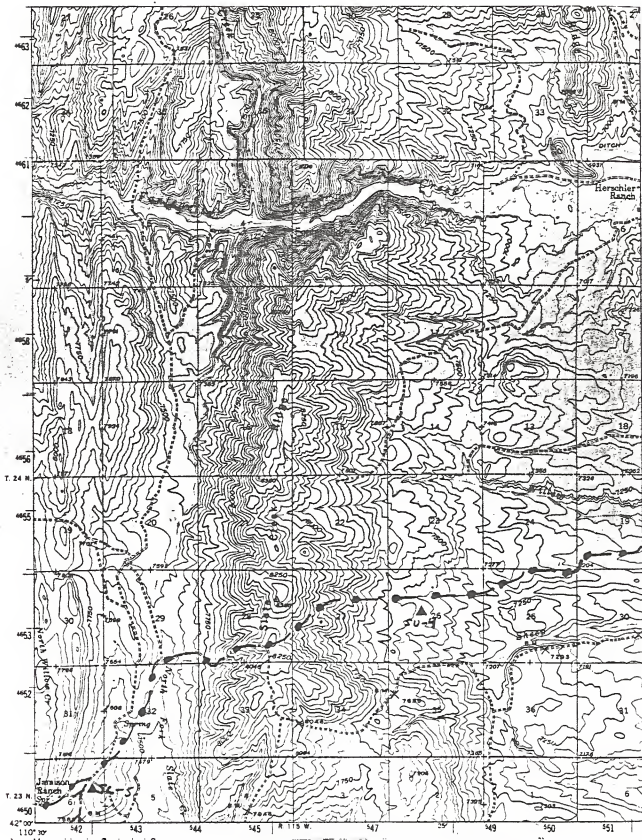
KEMMERER QUADRANGLE
 WYOMING-LINCOLN CO.
 15 MINUTE SERIES (TOPOGRAPHIC)

NEAR
 FORT HULL



- +—+— Oregon Trail
- +—+— Mormon Trail
- +—+— Pony Express Route
- +—+— Child's Route
- +—+— Seminoe Cutoff
- +—+— Lander Road
- +—+— Sublette Cutoff
- +—+— Slatts Creek Cutoff
- +—+— Hams Fork Cutoff
- +—+— Blacks Fork Cutoff

Kemmerer NE



- ▲— Oregon Trail
- ▲— Mormon Trail
- ▲— Pony Express Route
- ▲— Child's Route
- ▲— Seminoe Cutoff
- ▲— Lander Road
- ▲— Sublette Cutoff
- ▲— Slatte Creek Cutoff
- ▲— Hams Fork Cutoff
- ▲— Blacks Fork Cutoff
- ▲— Kinney Cutoff
- ▲— Dempsey Hoaday Trail

▲ Site Location (trail segment no.)

0 1 2 3 4 MILES

Fort Hill SW



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Slotte Creek Cutoff
- Home Fork Cutoff
- Blocks Fork Cutoff
- Kinney Cutoff
- Dempsey Hotaday Trail
- ▲ Site Location (trail segment no.)

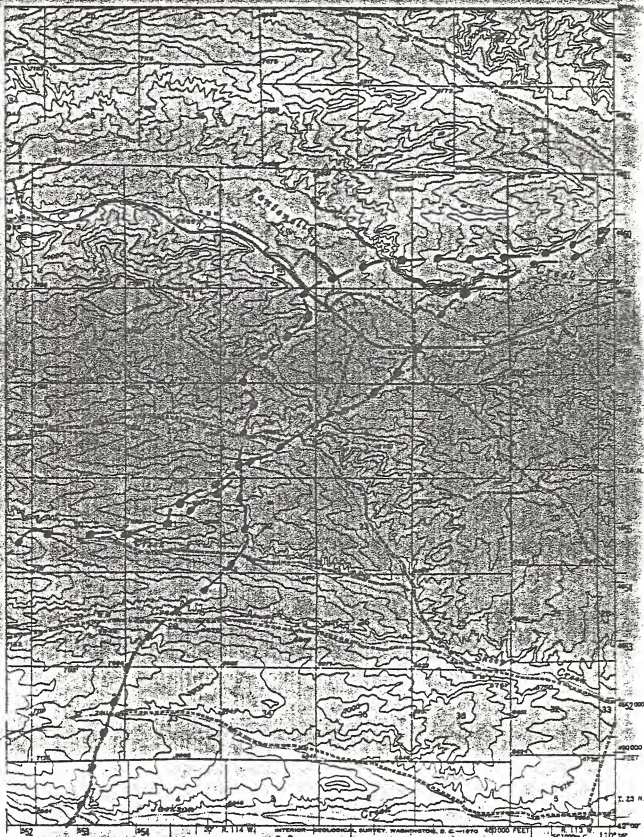
SCALE - Miles
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0 1 2 3 4 5 6 7 8 9 10
Kilometers

1:25,000 = 482,803 in. = 20,721 ft.
1:25,000 = 630,960 mm = 25,200 in.

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ROAD CLASSIFICATION
 1. 1st Class
 2. 2nd Class
 3. 3rd Class
 4. 4th Class
 5. 5th Class
 6. 6th Class
 7. 7th Class
 8. 8th Class
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 10. 10th Class
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 16. 16th Class
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 18. 18th Class
 19. 19th Class
 20. 20th Class

ROUND MOUNTAIN WYO
 4112 34-11222 2 1 1
 1917
 1:25,000 = 630,960 mm = 25,200 in.



- ▲▲▲ Oregon Trail
- ▲▲▲ Mormon Trail
- ▲▲▲ Pony Express Route
- Child's Route
- Sammie Cutoff
- Lander Road
- Sublette Cutoff
- Slate Creek Cutoff
- Horns Fork Cutoff
- Blackz Fork Cutoff
- Kinney Cutoff
- Dempsey Hoaday Trail
- ▲ Site Location (trail segment no.)

0 1 2 3 4 MILES

Fort Hill SE

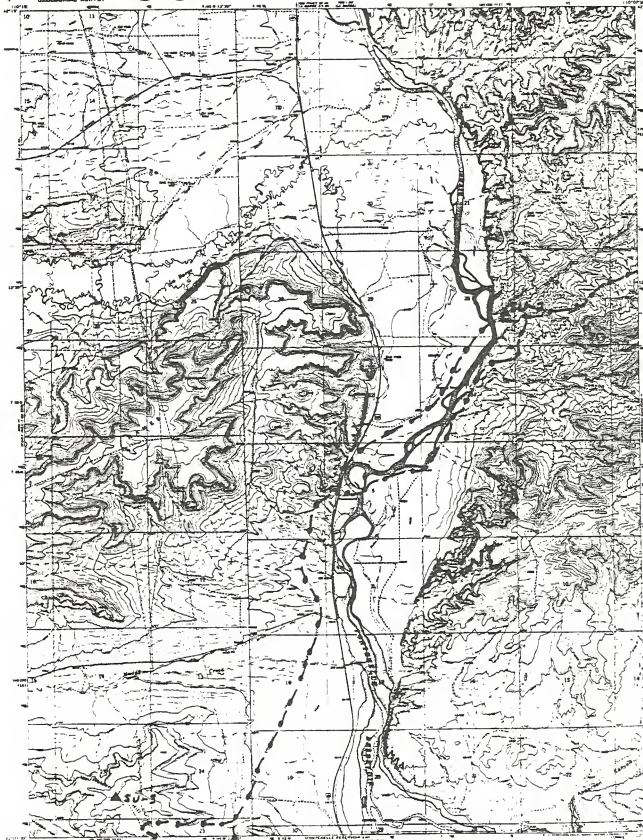


- Oregon Trail
- Mormon Trail
- Pony Express Route
- Chief's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Snake Creek Cutoff
- Hunt Fork Cutoff
- Bliss Fork Cutoff
- Kinsey Cutoff
- Dempsey Hoadaday Trail

▲ Site Location (trail segment no.)

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ANDERSON CANYON WYO
SCALE 1:50,000



- Oregon Trail
- Mormon Trail
- Pony Express Route
- Child's Route
- Seminoe Cutoff
- Lander Road
- Sublette Cutoff
- Stone Creek Cutoff
- Home Fork Cutoff
- Blacks Fork Cutoff
- Kinsey Cutoff
- Dempsey Hecaday Trail

▲ Site Location (trail segment no.)

SCALE 1:24,000

VERTICAL DISTANCE, FEET

UNITED STATES GEOLOGICAL SURVEY
WASHINGTON, D. C.

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2. This map is published as a part of the 1:24,000 scale series of topographic maps of the United States.

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NOV. 1, 1911
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APPENDIX III

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